



- REPLACEMENT COPY -

SEQUENCE LISTING

RECEIVED
OCT 18 2002
TECH CENTER 1600/2900

<110> Nehls, Michael
Zambrowicz, Brian
Sands, Arthur T.

<120> Novel Mutated Mammalian Cells and
Animals

<130> LEX-0032-USA

<140> US 09/620,607

<141> 2000-07-20

<150> US 60/144942

<151> 1999-07-20

<160> 1848

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 137

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 46, 55, 57, 71

<223> n = A,T,C or G

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aatgggtctc ntttctcctg aaaaccaagg agtaaataac acaacttacc aaaagttgaa 120
cttggtggct gacgctc 137

<210> 2

<211> 165

<212> DNA

<213> Mus musculus

<400> 2

gggcctgggt ctcagaggca tttggcaaag tgaaggagaa gttgaagacc acgttctcct 60
gagcacctgg cgggccacct cgaagcatca aggacatcca cgtaatgtgc caggctccctc 120
ttcatcacac accaataaaa aacgtgtaga aggcaaaaaa aaaaa 165

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<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 23, 28, 32, 37, 38, 39, 62, 63, 72, 76, 85, 88, 94, 156,
228, 229, 233, 248, 253

<223> n = A,T,C or G

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cnntgtagcc tngtcngaac actanacnag ggcnccaaact ctcatgtgtg gtgggtgtga 120

- REPLACEMENT COPY -

aaccacccac catgtggttg ctgggatttg aaactncagg gatcttccag gaaaaaagca 180
gtccaggggg ctcttaaacc cgcttgaagc ccattctctc ccaagccnnc ccnggccatt 240
tccctttnc ttnaaagggg gcattggaaa ttggaatccc ccaa 285

<210> 4
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<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 26, 45, 49, 52, 55, 79, 83, 93, 94, 95, 96, 100, 105,
106, 132, 160, 163, 180, 184, 198
<223> n = A,T,C or G

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ccacactcca agtcgtcncc aaccancccc accgcctgct ccccnccctc cnggncccct 60
gtgttggaat attggaccnc agngaccttc cnnnnctgn accannccctt ggtggctgat 120
ctccttaaaa anaagtggac tctgtgttcc ggaactttgn acntgaatgg ggacagtctn 180
atcnccgaag gaggaatntc tcctcctctt ggggggattt tccccttatg ttcaaa 236

<210> 5
<211> 356
<212> DNA
<213> Mus musculus

<220>
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192, 197, 201, 207
<223> n = A,T,C or G

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cgctccacgg cggctcctgc acttgaccca actcctgctc ctgcaanaac tgnaantgcn 120
cctcctgcaa naaaaatgct gctcctgctg tcccgtgggn tgctccaaat gtncccagg 180
ctgtnttntg cnaaggngcc ncggganaaa tgcacgtgct gtgcctgatg tgacaaacag 240
cgctgccacc acgtgtaaat agtatcggac caaccagcg tcttcctata cagttccacc 300
ctgtttacta aacccccgtt ttctaccgag tacgtgaata ataaaagcct gtttga 356

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<211> 224
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 23, 26, 29, 65, 144, 175, 182
<223> n = A,T,C or G

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gtttncctt ggacagagag ccaccacca ttgtctgtcc acttacacag ttaaacaana 120
gctatgctca gttctactgc aaanggtgtg tcctaaggaa gcaacaata ccctnagcta 180
tncaggtgga aaaatcctac tagagaaaaa gtcacttgat tttt 224

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<220>
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<222> 19, 20, 25, 61, 62, 71, 83, 98, 103, 107, 113, 124, 126,
136, 138, 141, 144, 153, 159, 174, 208, 217, 222, 235, 242,
247, 248, 257, 268, 284, 312, 318
<223> n = A,T,C or G

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aaattcaagg tgctctacnn tggcnaggtg actgtggctc acaacaacgc cccaacgcac 60
nnagggacaa ntgtctcgaa aanttcaacc atgtgagntg tantcgntca acngactggg 120
aaancnccca acgggntngc natntcgcgc ctngcccent gcccatgcag cctntccttc 180
tcaaagactg gactgcgctc gctggccntc atgaaangag tnccaggaag ctagnctccg 240
cncttannac ctttagntcc tttgacantg acattataaa accncctcct ctgtggggcac 300
aatgtgggttc ancccacnng acatggaagg aaaacc 336

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<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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138, 140, 144, 182, 191, 203, 240, 257, 278, 293, 302, 318,
319, 324, 328, 331, 354, 355, 357, 363, 380, 383, 385, 400,
404, 407, 435, 446, 449, 459, 468, 488, 493, 495
<223> n = A,T,C or G

<221> misc_feature
<222> 510
<223> n = A,T,C or G

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gnangtacgc tgnacgcagg tgacttcacc ccaactgtgg ttcncacat gcctaggcnt 120
gaaaancacn ncagccgnen atantctctgc gcccttgcta catcttcttg tgatatcatc 180
tngggggccc ntggctgtgc ctntgtcctt gggacaaggc ccgccacgct gggcttggtan 240
tgcacctggg ggggtcngct ttccctctgc tgaaccance catcctggtg ttngctgcta 300
cnaaggccac tctgttcnng ctcnnggncg ncttaaaaca ctctttcctt gggngncca 360
cantaaggct cttaacaccn atngnggggg gaaaaggccn gggngtncaa ttccctcctt 420
gccttgggcc ttggnctcct gggggnttnt gggctttgnt gcaaaagncc cccaagaaa 480
ccccctgngc ctngnctttc tgccatcaan gtgctgctcc attttctcct 530

<210> 9
<211> 582
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 36, 50
<223> n = A,T,C or G

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aagccccata gagagatccg aagacacact cacccttcct ccgccatctt tccggtgctt 120
cagctactgc gcttgccgag cctcaccggg cggggtagag aggccgcct cgacgtctct 180
tgtatcatag agacggactc tcgctcccg caggaggactc aggcagcctg agattcctta 240
gcgaatgtga gcgtctggga aaaggtcttg ctagccagga ttccggcaaa aaaccctcca 300
gtttccttcc catcccttct aaggtctcta gagtctgaca cccgtctgga tccaaccctt 360
ttcagttagg ctgtagggtc tcgaactcgg ccgcttggtg acaatttaaa ggctttccac 420

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aatgcatctg cagcttccgc tacggcacgg gctctacaga agttggccgc cttgcttagg 480
tgagggtttt attcccggag acttgaagga cgcacgtggc actcacattt ggtgggcggt 540
tatttgtgga ggatttgccg gaaataaaaa tgtgtcacct ac 582
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<210> 10
 <211> 356
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 18, 33, 41, 42, 54, 63, 74, 78, 92, 100, 121, 129, 144,
 173, 197, 198, 200, 202, 205, 228, 234, 237, 239, 247, 248,
 266, 270, 277, 284, 287, 314, 316, 335, 339
 <223> n = A,T,C or G

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<400> 10
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tcnggccacg ctncccangc tggatgaaga tnagctgtan ccccaaaagt gcactgctat 120
nggcgacang catccattcc tcantgaatt tggacgggga atcctgtgaa atntgccatc 180
aatccatcct ccatganntn tntangatgg gaaataactgg gcctgaanag gacnctntnc 240
tgcccanngg acacgggatc cgtecenttcn gttcccnnga tgcncncaa cccactcaaa 300
tgtgaaggat atgnangagc ttggaggggac gatgnaagnc ctgggaccgc atggag 356
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<210> 11
 <211> 253
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 54, 58, 73, 82, 84, 87, 95, 107, 111, 116, 121, 123, 134,
 140, 150, 162, 174, 194, 203, 216
 <223> n = A,T,C or G

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gcttgctgct ccagtccgct gttgcttgcc tagctgtggg tgcctcccta acangganaa 60
tactcttgta ctntctcgaa cncntgntgt ccatncaacc ctgtccntcc nacctngcaa 120
nancagggtca caanttgtn ccagcaatgn aagggtggctc cntcaaccct gganccttct 180
ctaccagca acancctgcc canctacaaa caactnactg tgccccaaac aggccctgat 240
gagggttcct gaa 253
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<210> 12
 <211> 112
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 60, 84
 <223> n = A,T,C or G

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aagcatcttt ggcctattat tcancagcaa gatggcttga agaaaaaat aa 112
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<210> 13
 <211> 383
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 62, 102, 130, 181, 183, 217, 222, 223, 225, 240, 246, 288,
 294, 298, 300, 301, 302, 303, 305, 316, 319, 328, 333, 366,
 367
 <223> n = A,T,C or G

<400> 13
 aacaactcac cacctggatt tccaaggaaa gctcaagcca agtggggccag cactccatcg 60
 anaggcaaag ctgcctcttc catgccccac catgcgacc anaggcaaca tgcctggagc 120
 ctatgttcan caacccttgc tcccagtggg gagtttctaa aaaggcagcc ccactcctca 180
 nangctgggg tcccaaaacc caggcctctt ctgtganatt cnnantggga atttctaaan 240
 aggcancat cctcaatgct ggggtcccatc cagggcctct tctgtganat tccntgtncn 300
 nnnncnctggt gcggcnaana ttttttttnaa agngggggggg ggggggcccc ccccccccc 360
 cccctnnggg gggggggggg ggg 383

<210> 14
 <211> 151
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 31, 47, 79, 105
 <223> n = A,T,C or G

<400> 14
 taagaaaaat gttattactt gaaatngatc ngtgaatgcg aaagaangcc aggaatattc 60
 atgatgacac tctctgctng ggcttcactt acggtatgtg ggcanacaca gcaaacaaac 120
 cttcttcatt ttttttttcc tcttttgaac c 151

<210> 15
 <211> 207
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 45
 <223> n = A,T,C or G

<400> 15
 ggcccagatg cttctgggct acaccagttc ctgtttcgat gtgangtttt gaaatgctcc 60
 gtgaagggtg gagggacggc aggaagatgg cgggagccag gcagtaccaa cttcctggcg 120
 aagaagccaa gatggagact gagaagtgtt tggggaagag ccaaaataaa gagcaataaa 180
 ataagccgtc cacgggaaaa aaaaaaa 207

<210> 16
 <211> 131
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 31, 38, 59, 65, 91
 <223> n = A,T,C or G

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 aaccnactga agaaaaagac tggacctgat naagaagacg ttggaagaaa gatgcttccg 120
 atgactttaaa t 131

- REPLACEMENT COPY -

<210> 17
 <211> 393
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 23, 64, 73, 80, 106, 109, 113, 121, 124, 187, 189, 192,
 221, 312, 315, 338, 352
 <223> n = A,T,C or G

<400> 17
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 cctngattgt aanaggaccn caatgcgttt ctcaaaccct tatgtnaang ccnctctcca 120
 ncancgaggg gcggcgtctg aagaaacgga agacctccat taagaaaaac acactgaacc 180
 ccacgtncna cnaggccctg gtgttcgacg tggctcccga nagcgtggag aacgtgggtc 240
 tcagcatcgc agtggtaaac tatgactgca tcggccacaa tgaaatgatc ggggtgtgcc 300
 ccgtgggtcc cnaangctgc cgacccacac ggcagganaa cactgggcag anatgctggc 360
 taaccgcgc aagcctgtgg aacactggca cca 393

<210> 18
 <211> 148
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 75
 <223> n = A,T,C or G

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 atgcttccta ccatnatggc tatggactca cccctgaag ctgcaaacc ccaaataaag 120
 ctttatctta taatttgaaa aaaaaaaaa 148

<210> 19
 <211> 101
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 39
 <223> n = A,T,C or G

<400> 19
 aaactgtcat ctctcctggg ctatgagacg gaaatgtana attctacaca tctacggtgt 60
 accaataaaa tgcttatgtc catttccacc atccaaaaaa g 101

<210> 20
 <211> 385
 <212> DNA
 <213> Mus musculus

<400> 20
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 caaggcagag cggcagctac ctgagcaatg tgccttcaag gaacaggggg tgggtgaagca 120
 gtgtatgggg gcagtcaccc tgaacccggc cgctgattct tttgacatca gctgtaacga 180
 gcctggtgca cagccctttc ggttcaagaa aatttcccgg ctggctggac ttctccgcaa 240
 aggtggggag aagattgggtg aaaagcttaa gaaaattggc cagaaaatta agaatttttt 300
 tcagaaactt gtacctcagc cggagcagta ggcctgcctt ggcctgtttc tggattccta 360

- REPLACEMENT COPY -

aaataataaaa cttggtaaaa gaaaa

385

<210> 21
<211> 256
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 49, 54, 62, 70, 77, 94, 111, 114, 120, 123, 132, 148,
165, 171, 183, 220
<223> n = A,T,C or G

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tntgcaagan gaaacanaaa gcctctccac ccangcctgg aatgtttcca nccnttgtn 120
agnaaacca cncagcgtct tgtcatgngc gaattggaac acgcntatgc nctccgggcg 180
gcncgggtcc cagctccact tcgcatatta aggtgacgcn tgtggcctcg aacaccgagc 240
gaccctgcag cgaccc 256

<210> 22
<211> 326
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 101, 126, 128, 131, 146, 150, 158, 162
<223> n = A,T,C or G

<400> 22
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tctggagagc gtataagcgc atgccgctgt ggacttttca ncgatgtcat gctgacaaac 120
tgactnanca ngagttaccc acacangan cggacatnca tnttactgc agaccagaa 180
gacgtgacgg gagaccagga aacgtctgcc tcgctgactt actatattcc cttggatgta 240
ctgatcaggc tacattccgc caagtcaaaa acgttgagag aaaaaaatgt ctaataattt 300
cctctgataa tcaccaaaaa ttacaa 326

<210> 23
<211> 161
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 30, 54, 68, 73, 90, 95, 98, 100, 102, 111, 123, 130,
131, 133, 137
<223> n = A,T,C or G

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tgtccaangg aanttcctgt cgtgcatcan cctentcn cn tncagtcgct naaactctca 120
tcnactacan nantgancac ttctcccctg cgccccctcc c 161

<210> 24
<211> 147
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 25, 28, 33, 53, 65, 67, 68, 72, 78, 79, 88, 93, 115, 116
 <223> n = A,T,C or G

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 aaacncnngt tngataanng taaaatangc ctntctatgg accctcggtg tttgnnatgc 120
 ccaatgggga tcttgaaaag cgcccat 147

<210> 25
 <211> 110
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 57, 72
 <223> n = A,T,C or G

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 gaacagcagc ancaggagcg ggcacacctg ctggcgtgca aaaccagcta 110

<210> 26
 <211> 390
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 131, 159, 160, 221, 274, 289, 313, 339
 <223> n = A,T,C or G

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 aaagcaaaca gacttttgga tcgtagttgg gctgtgcccc agagccacag agatgcacat 120
 tttctagaaa nactttggga gacacaaagc tttcttcann actttaagat ctggatacaa 180
 ctgagacatc tgaaaaagct acatgtacta tgggtatata nctgggagct ggggaccttg 240
 ggcctcatct ataccatgag aacactcacg gggnaaggaa ggctgttant tagtatttat 300
 gaaggatacc cancttttga ggacattgtt aggggggttna tcttggtttg tttttaaaat 360
 taaaaaagtg tacaagtgtt tttgcttgcc 390

<210> 27
 <211> 395
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 64, 69, 73, 75, 83, 91, 94, 100, 107, 113, 114, 123, 145,
 160, 176, 181, 195, 214, 216, 229, 230, 235, 241, 259, 264,
 272, 274, 282, 283, 298, 308, 335, 358, 359, 360
 <223> n = A,T,C or G

<400> 27
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 atcnatctnt ccncngcgtg tangtcggtg nganagtgcn tgaacgnctg agnntggagt 120
 gtngaacagt tctgactgct atgtngactg ggggaattgn accgggtcct ctgganaagc 180
 ncccagagat ttcgnatgct gaggcatttc tccncncccc gttttcacnn cttantgaca 240
 naaactctct cttgaaaanc tctnaggagg antngtgggt tnngtatgcc acccttantt 300
 tgtactantt aggattaact tcatctgtga atttnaacia cccccccccc caccacannn 360
 aattgaattt attgtctgtc caataaacat aagcc 395

- REPLACEMENT COPY -

<210> 28
 <211> 392
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 21, 58, 89, 94, 98, 106, 109, 118, 122, 131, 140, 160,
 173, 191, 195, 196, 200, 213, 251, 260, 269, 278, 302, 322,
 332, 340, 342, 345, 351, 363, 373
 <223> n = A,T,C or G

<400> 28
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 agcctggacg gacagctacc ccacatgcna tgtntccngc ggtttnttng gaagccantg 120
 gnatgaaatc naccctcaan actggaccaa ataccaggtn tgggaatggc tgnaacacct 180
 cctggacacc naccnctan acgctaagct gcntcccttt ccaggagtgc tacattagcg 240
 gaaaacacct ntgcagcatn aatctgcang aattcacnag ggcgacaggc tcaactgggc 300
 anctgctctg gtagcaacct anagcatctc angtggaacn gncantgcag naagtgcct 360
 ttncagtcgc gcncacgatg tctttgtcca ga 392

<210> 29
 <211> 137
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 44, 55, 62, 71, 77, 88, 89, 94, 101, 114, 118
 <223> n = A,T,C or G

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 tctgggtcttc agacaca 137

<210> 30
 <211> 263
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 125, 157, 182, 218, 219, 220, 243
 <223> n = A,T,C or G

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 agattaccaa gaaaagagtg gactacacac agtctaaaaa atacttatgt gcatatatatt 120
 tctanagaaa agtttggtttt caaatTTTTT tcttganagt gtttactgtt tcttaatagg 180
 tngatgtttg aaataccttc actggagttg aagagccnnn gttttgactc atttggagta 240
 tgntaaacat ttctctgggc cgt 263

<210> 31
 <211> 369
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 40, 149, 169, 193, 219, 262, 282, 305, 335, 345

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<223> n = A,T,C or G

<400> 31

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caggagaata actgagatca ctgcctgaca gcagctgagc cagtcccca tgtgaccact 120
gtaaccactg ccatgcctga gcccagaana cagaacgacg cgctggaana caccagaagg 180
ccacacaata aanagctctt tccttccacg tgatctgant gtcggcacca gtgggcaggc 240
tcttgctctg caaattaaca cncagtctcc gtgggggaaa anaaaagggg atagcgctcg 300
gtcancacgg aggaactggg gatccattgc tcatnggtca acatnaatcc tgggttctgc 360
aggcttggc                                     369

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<210> 32

<211> 396

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 54, 57, 63, 67, 70, 84, 88, 91, 101, 109, 127, 129, 134, 139, 171, 176, 193, 201

<223> n = A,T,C or G

<400> 32

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ggacgatcac ggacgtgcag ctgcctatct tcgccaacat gctgggctgt tcgnttntct 60
tgnttgnggn cctctatcac tacntggnag naaacaaccc naagaagcng gaatgaaagt 120
ggcgctntnt ccgncccang gttccaggac atagtctgag gcaagatgga nggtgngagg 180
gccttcacac ttnacttcat ntctcctacc catcacagca tacaaagcaa ctacacctgg 240
atTTTTccaa acaactttta tttcctcaaa gtcttcctta accctatgga gcaagaagct 300
gccactgaat agggcccagt ataggggctg ctttcttttc tactccctcc cccaataaca 360
aaaatataga tatatatata tagatataaa aaaaaa                                     396

```

<210> 33

<211> 163

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 26, 47, 51, 57, 59, 64, 68, 71, 87, 97, 102, 109, 116, 146

<223> n = A,T,C or G

<400> 33

```

catgggtttc cttgatcgcc gtnatnagag cctgggtgcgg ggacctnacc ngatcancna 60
gtgnactncc ngtcggggac catccanctt cactaanagt cnggggtgcna aggaanacag 120
ggcatctata cttctgatat gaaatntgtg caaataaaac aaa                                     163

```

<210> 34

<211> 535

<212> DNA

<213> Mus musculus

<400> 34

```

gcagagaaca aatgccaaga acttttgtgc aggtgtgacg aggagctggc ttactgcctg 60
gcagggaccg agtaccacct gaaatacctc ttcttcccct ccattttatg tgagaaggac 120
tctcccaagt gcaattgaca ggctcacatg tccctttgca catggaaacg cacttcactt 180
tcagtgatca ccaacagcat gcaatttgtg caggagagtc accggaggcc aagtgctaaa 240
gccacctgcy tttgctttct ccttccattc aggaactcac aactatgagc ctgtggagtt 300
gccagtctga tgaaggttca aagtcctggg cctgttttat acaaataagc gctgtgttgg 360
gcgtggtata ctttttgaaa ttcagccttt atgagaagct gtactatctt gtacctgctg 420
cagggctgct ggtcagatgt ggggtgaacac ctgcttaggc tttgctgtgg taataacatt 480

```

- REPLACEMENT COPY -

gccacatgat acatctaaga attgtaactg taataaaaaa atgttcccta actgg 535

<210> 35
 <211> 638
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 513, 538
 <223> n = A,T,C or G

<400> 35
 gcccgactgg cccggcagca cctgctgccc ttgctgcgcc ggctggcccg ccgactgagc 60
 tcccaagaca tgagagaggg tctgctgagc tgtctgctct ttgtcctcag ccagcaacag 120
 ccaccggatt ctggagaggg ctccagagtg gaccactccc agaggaagga gagattgggc 180
 ccccaagaag gagggcacgg gtcctggaaa cagcaacgcc catcaaagta cttttggagc 240
 cggtttagtcc aggcgtcggg ccgcacgcac gggcatggac ggcagactgc ccagtgggcg 300
 aagacagtcc gggctgagtg caagagggct ctgacctgaa cagttcccac tcccctagct 360
 cctagcaggg tacagattgt gttgattgac ctttcctctc tgcagctccc tctgccttat 420
 ctctggcctc caggggtggac ctgcaaatgc gggatatcaag gtcagttaag agatgatgtt 480
 tcaacttagac tcaagacaat ttagctaaga agnggtatct aaatccaaac tgtcccgnct 540
 accttaaaat tataagccct tgcttccggt aaagaatgag tactttttaa agcttggtac 600
 ccaacaagta gtcaataaac caaggacagt gtgttggt 638

<210> 36
 <211> 257
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 23, 41, 160
 <223> n = A,T,C or G

<400> 36
 aggaattggg ctctcncaca gancaaaacg ggggtcaaaag ngggccacga tgcacgttcc 60
 gagaacaacc acagaatgtt ccagccctaa gtcagcgcca gatgtcctga ccacaccctg 120
 atgccaccaa gttcctgctt ccttggtgtag ctgccaaaan aaaaatttcc actgccccac 180
 ccctcctgct gagaagtact tctccttttg cttgtgcatt taagccttga gccttgctga 240
 atacagtgac accttga 257

<210> 37
 <211> 252
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 72, 85, 90, 96, 110, 130, 140, 168, 172, 180, 196, 197,
 200, 205, 221
 <223> n = A,T,C or G

<400> 37
 ctgggtctgt gaccctcacn tgctttctcaa gaagaccctg gactctccat ccgctggctc 60
 ttcgatcacc anggcctgta cttcnatgan tggatnactc tgtcccagan atacgtcaaa 120
 cttaccatcn taccagccn agagggagga tgctggggag taccaatncg angtctcctn 180
 cggctacagc ttctannatn aatcncccgc tccaaatgtc ngtcactagt gagtgacctg 240
 gcctctctct tc 252

<210> 38

- REPLACEMENT COPY -

<211> 172
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 18, 36, 39, 45, 63, 108, 122
 <223> n = A,T,C or G

<400> 38
 actcgagaaa gcagccnngg ctgcatctgg caagtntcnc ctccntggga atttgccggc 60
 ccnaaaaaag tgaaagaaaa tgaagtcaga taagaatgag aatctganac aagaggcaga 120
 cnattgagac cacagggtttt accccccgaa acatgaaaag taatccaaat cc 172

<210> 39
 <211> 176
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 17, 19
 <223> n = A,T,C or G

<400> 39
 aagcggcgac tgcttnncna gatgtctgaa tggaccagga aagatgtgat cttcctatac 60
 gccaaagaaat tctaggaaca tcagtttcaa gtcctcagaa gctattcttg ggaagaccag 120
 tggacccaat gcatgtggca aactccaaaa aaagacgtga aacaaaataa ataaaa 176

<210> 40
 <211> 253
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 59, 63, 65, 67, 75, 87, 105, 106, 122, 125, 136, 138, 148,
 182, 185, 187, 197, 199, 207, 213, 214, 218
 <223> n = A,T,C or G

<400> 40
 tattaggctg gacccgcaaa aaccttgcag aacacaagga gctgatcaac actggatcnc 60
 ccnancnttc gtttnttggg gctaaancct cttctaaaca tccanntgca ctccataaaa 120
 anatnccctt ggtatngnct cgtcttcntc ttttctttct gaccccgacg gtgttggtg 180
 tnttnncnct ggtatgcnang ggtattngga ttnncccnct atcctccaac ttcgttggga 240
 agggtttaag gca 253

<210> 41
 <211> 319
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 37, 39, 49, 52, 53, 58, 61, 64, 65, 77, 81, 86, 96, 97,
 98, 119, 120, 121, 127, 138, 141, 144, 188, 205, 213, 244,
 246, 253
 <223> n = A,T,C or G

<400> 41
 ctagcttcat tatcatancc ccaattctca tagctgngna catactatna cnnggttnct 60

- REPLACEMENT COPY -

nctnnaataa acggagntgt nagatnacag ctgtgnnntg cactcatgtg tgagtattnn 120
 ncatgantct gttttatnta ncancatatt atgctgagtt gcctgaccc cactactactg 180
 gtgctgtntc gcagtatatc ttcanttgat cgnaggccct gccacacatc ggaactaagg 240
 ccantngagt gcncctccacc ttactgggtg caggactttg ttcttctgag attattgagg 300
 accccacaca cacacacca 319

<210> 42
 <211> 164
 <212> DNA
 <213> Mus musculus

<400> 42
 ggtcttccct cgctgcttcc cgttttaccgt ttaagatgtg agctctcagc ttctgtgcca 60
 agccgctgtg cctgctgcct gctgccatgc ttccccacca tgggtgatcc ttacctctct 120
 gggactataa gccaaataaa cccttccttc cttaaaaaaa aaaa 164

<210> 43
 <211> 444
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 41, 45, 46, 56, 60, 76, 78, 79, 96, 97, 100, 116, 125, 135,
 166, 186, 190, 213, 216, 221, 230, 234, 252, 264, 283, 297,
 299, 301, 321, 324, 330, 332, 348, 357, 359, 364, 419, 421,
 425
 <223> n = A,T,C or G

<400> 43
 atctccattc acaacctccc tcccataacc tgggtctgaa naagnncaaa cccgananaan 60
 accaactccc tgaacncnnt ccctctcttt ctccanngan gtggctgggg caggangaac 120
 tgatnaatat ttcanccgga accctccatg tgattttctt tcccnacac ttaacagggt 180
 tcaacntgan tcatctgccc cggacctgca acnatntatc natggtccgn cccnggctgt 240
 aggtctgcct cncggaacta caanaggtea tttcctcaat canctccatg gcccganang 300
 ntcaggaact ggaggaccgc nacncagtcn tntggggaaa aaggggcanaa actgacnana 360
 cttnatcacc ttcaaatgac aaatttgca aatcccaaac ttccaacacc tgaaactcnt 420
 ngaantatca aaccttccat ctcc 444

<210> 44
 <211> 240
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 66
 <223> n = A,T,C or G

<400> 44
 tgaaggctta tttgtgtatg aatacatgca catgagtgtc catggaaaac agaagaggac 60
 atgagnatac cctggaactg ggattatgca cagcatgggc atgtgaacag tgctcttcct 120
 cactgaatca tctcgatgcc cactgatata agacactaat gagggaaaca gtgggacagc 180
 atacaagaac tctgcttttt ctccctcaa aacctaaaac tgctctttta aaaaagaaaa 240

<210> 45
 <211> 421
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 28, 220, 222, 234, 279, 288, 347
 <223> n = A,T,C or G

<400> 45
 agcagtcctt ggactactca cgttcttanac actgcctcag ggctccctgc ccaaggcctc 60
 tgcctccggc tgtcccgcct ggaggccccc tgccagcagt ggatggagct gaggacaagc 120
 tacacaaacc tggacggctg ctgtcctggg ctcttgacac caagccagat aaagccaggc 180
 acctataagc tgttcttcga cacagagcgc tactggaaan ancgggggtca aganagcttt 240
 tacccttatg tagaggtggt tttcactatt acaaaggana cccagaantt ccacgtacct 300
 ctgctgctga gcccatgggc ctacaccacc taccggggga attaaantga tgtgttacct 360
 gaaaaaagcc atctatctgc ctgtttcttt cccagactta gccaccaca caaatcatgg 420
 g 421

<210> 46
 <211> 113
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 37
 <223> n = A,T,C or G

<400> 46
 tttcagaacc atttacaagt tctgtaatgt ggtanancta taggaggggtg tggcctgctt 60
 ctgtcacctc tgaggagtaa tggactgtgt tgtgggtatca ctggggccctt ttc 113

<210> 47
 <211> 394
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 29, 33, 50, 67, 70, 82, 160, 166, 168, 169, 173, 179,
 238, 281, 282, 286, 349, 371
 <223> n = A,T,C or G

<400> 47
 ccagcccaaa gcaagggagg tccagcannc canagtccctg ggcccaggcn ctcttgcaat 60
 ccccaanaaa ccaaggagcg tnagtccacg tcccctgcag ccatgcagcc tgtccagctg 120
 ccccgccctg ccttgtctcc accgctccct gccctccan caccancnc ggngctggna 180
 caagtggtag cctcatctcc tagcccaact cctcctcggc ccacctcagc cccagaanac 240
 tccctggact tcctgcgggc tcaactggaaa ctgccaatgc nntcanggaa ctgggttgga 300
 cccttcggca gggactggcc aaactgaacg aagccctcag tgccctgtna ccccttttgc 360
 cgggaaccca nctgacccgc tgcccccgcc ccca 394

<210> 48
 <211> 281
 <212> DNA
 <213> Mus musculus

<400> 48
 gctggactct tcctgtacca gtgttccaaa gcctctggaa ttcaagacct actcctgagg 60
 ctacaagttt cttagcccaa gcagcacagc ttctccaccc tagggaaccc tccattctcc 120
 gtggttctgc agcccagtaa ctctcaggca tgcatagaga gctgatggct cagggtccct 180
 agcccagcct cccatcagag ctgacgggaa ctgcctgggg tagacacaag tcacagttaa 240
 aaagtaaata aatcaagtgc tttcacttcc aaaaaaaaaa a 281

- REPLACEMENT COPY -

<210> 49
 <211> 313
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 26, 41, 61, 76, 94, 107, 116, 117, 120, 122, 124, 136,
 139, 165, 166, 177, 180, 182, 188, 189, 193, 194, 198, 211,
 248, 262, 264, 277
 <223> n = A,T,C or G

<400> 49
 ggcagaggag acggacaacn tattcntggc ttgcaaagca ncagggtggt cgggaactga 60
 ntgagagaga tgccanctac aaagagtgt cctncaaaaa tttcaancat gtgttnngcn 120
 cncngtccag ggtggncng gtcgcatcac atgtataact caccnccgc aaatagntcn 180
 cnttcttnna aannctcnaa attaccctca nctctcatga ctgtggcagc ctgacctatc 240
 gggatgtnaa tttggaccaa tncntgataa aactgcngct tctctgtgat ctgcgcctgc 300
 cttgtctgca cgt 313

<210> 50
 <211> 254
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 29, 32, 41, 50, 52, 54, 56, 72, 80, 86, 126, 158, 173,
 196, 218, 225
 <223> n = A,T,C or G

<400> 50
 gctcagggtg gatcttcata ntacattcnt gntgactccc nactgctgn angntnaagg 60
 atcccctcac antccacctn tctacnagaa tcacagatta ttcagcggag aatctgggtc 120
 cctcncctc tcatcctataa ctgggtgtcac tcccatantc tttcaccctt ganctaaaaa 180
 aatgtgggtga cacacntcta ggaatccccct cacttganaa gacanagtcc agtgggatct 240
 ttgtaaattc taga 254

<210> 51
 <211> 345
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 30, 33, 38, 47, 52, 53, 78, 86, 104, 120, 125, 144, 152,
 155, 163, 164, 170, 176, 183, 193, 196, 204, 205, 221, 224,
 231, 237, 239, 244, 263, 268, 272, 273, 284
 <223> n = A,T,C or G

<400> 51
 gtatccgggt tctgggggtgt ggactctggn ggntgctnca ctgctcncat tnntcatgat 60
 gattgggaat aaggtgcngt atattntccc tcagctcctt tctnatctcc ttgatgttcn 120
 tagangtcct acgtgtatgg gtgntaccta cnatncggct ccnngaaagn cttcanagga 180
 atntcctggt canctnctct aatnntcctc aaaacgtcct ntangccctc ngatatntnt 240
 ggngatctt atggctaccc aanaaacnct tnnaaacct tgnatctcc tctccaggga 300
 tgggtctgtg atcttcacca ttgagtattt gctgaatgac ctcca 345

<210> 52
 <211> 149
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 31, 37, 41, 46, 60, 61, 64, 68, 69, 74, 78, 133

<223> n = A,T,C or G

<400> 52

```
actggtcaca tagtacttct agacncggtc naaaatntat ngctcnaatg tccttccgcn 60
ncanatannc gtancttnga tagtttcctg gtgtgtatgc cttttttagg gtttttcaat 120
taaaagaaca cancaagaat gtcaacgga                                     149
```

<210> 53

<211> 194

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 36, 42, 53, 55, 57, 61, 95, 96, 125, 143, 152, 153, 171, 172

<223> n = A,T,C or G

<400> 53

```
tgtggatcca gggatcnaat catcattacg tggggnatgg anggatatcg gancnantac 60
naggccctgg ctttggccat caaggcaagc cacannacgg gcatccagac atgttggtta 120
cgaangctgt tgtctataaa ganccggacc cnnccccgga agagagagac nnggaaaggg 180
gcggaatcct tgac                                             194
```

<210> 54

<211> 389

<212> DNA

<213> Mus musculus

<400> 54

```
tgtggccgcg aaagtgacaa gctgctttcc agactccacg ggcccggctg cttttatggc 60
cctgcttcac agggagaaga gtggagcaca ggcgaacctc ctcagtctgg gaggtcactg 120
ccccaggacc tggacctttt agagagctct ctcgccatct tttatctccc agagctgcca 180
tctaacaatt gtcaaggaac ctcattgtct acctcagggg ccaggggtact ctctcactta 240
accaccctgg tcaagtgagc atcttctggc tggctgtctc ccctcactat gaaaacccca 300
aacttctacc aataacggga tttgggttct gttatgataa ctgtgacaca cacacacact 360
cacactctga taaaagagat ggaagacac                                     389
```

<210> 55

<211> 341

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 44, 50

<223> n = A,T,C or G

<400> 55

```
atccatgagc agagctcaca gacaatggcc aagtgtgtca aagntgtcan cgagggcgct 60
caggcagtaa aggagccgct catatgctga gacatctaac aggggaccct ttttgctaca 120
gacagtaaat ggacattgct gtaatccctt ataagttaat gttttccaac atgagtctga 180
atgatgtaat atttaaagtt atactatgct tatccgaaaa tggatttgta cttatcaaaa 240
atcctggcag tttaaaatgt atgtaattgt gtgcaagcat taactagttt aataaaacta 300
tcattttctc tttcatgttg aaaacactgg aaaaaaaaaa a                                     341
```

- REPLACEMENT COPY -

<210> 56
 <211> 472
 <212> DNA
 <213> Mus musculus

<400> 56
 ggatggagac ctctcctttc ctctggagtc agtgaaaaaa ctttaagggtc tccgcgaggt 60
 acaggagccc agactggtga gtcacaagaa gtttgctccc cggcttcttc agcccgtggc 120
 accacagcta ttagtagacc actctgcact tccagaagca ctgaggccgg tctgcgagaa 180
 acccaacgcc gaggagatcc tgcagaggct agaggccatt gctcaggacc caaacacatg 240
 tgagatctgt gcctacgctg cctgtacggg atgctagagt gacatcgctt gcctttctct 300
 cagcccatgt ggaagcccct ctatcttcta gaagtcacga ggctaacaaa ctcataccct 360
 cagcatctat tgccctgccca cagcggggag gaggctgagg agacagctac ctggagaagc 420
 cttgcctgag ggctatgtta accctcagcc aataaaccaa acttcagaac tc 472

<210> 57
 <211> 375
 <212> DNA
 <213> Mus musculus

<400> 57
 ggatagactc cggccggatg ccactcccag ccctgaccaa gaaattgctt cctgttgcca 60
 gtctggcctg ctctcctgcc tccaacaacc aagctgccga tagcctctcc ttttgctcct 120
 ggaccctcca tcttctcttc cctctcctcc tttgaccaac cctccaactc tgcttctcac 180
 catcagctaa agggaccagt ccctagggga gccaagagct cccaaggaag gatgaaggag 240
 agaaggcaag catcccaacc agatccaagg ggacactgtc cccatgctga atgctcagga 300
 ctcttggtgc ctgccctggt tacggatccc tcattttgtg taataaagtg cattgagtgc 360
 ccctaaaaaa aaaaa 375

<210> 58
 <211> 405
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 366
 <223> n = A,T,C or G

<400> 58
 ggagccccgc agtctgagcg cagcatccgc gcccttggtt gagacgagca ctcccctccg 60
 cttgcgtcgg gccgtgcccc gaggagaggg ggcgggtgcg gtgcaggagc tggcgcgggc 120
 gctggcgcac ctgctggagg ccgagagaca ggaacgcgcg cgtgctgagg cgcaggaggc 180
 tgaggatcag caggcgcgtg tcctggcgca gctgctgcgc gcctggggct ctccgcgtgc 240
 ctcggaacccg cccttggtccc ccgacgatga cccggacgct ccagctgcac agctcgcccc 300
 tgctctgctc cgagctcgcc tagaccgggc cgcctggcaa gcccaacttg tccccgcccc 360
 tgccgntgcg ccgcgacccc ggccccaatg tattatgatg gcccc 405

<210> 59
 <211> 333
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 23, 26, 44, 55, 83, 124, 148, 178, 191, 192, 204, 235,
 249, 264, 267, 270, 276, 281, 282, 283, 285
 <223> n = A,T,C or G

<400> 59
 gcctgaagcc ctagcttgnt cgnagntgga ccttcctgct caancgctcc tgctncagcc 60

- REPLACEMENT COPY -

```
aacatggggg aacccgaagg agncactcac gtgcatcttt ctaatgaaca aggtgatgga 120
tcancaggaa gacgagtcac caccgtcntc cttacgaaga tgatgtcaca tcaaaatnaa 180
tatgatcctg nncctaaagg caancgggta ctgaggatga tgaagatgac atgtngacac 240
caagaagcna aaaacgagag gatnatnacn tccccncgaa nnntncctta cgcccgtgac 300
tattcccctc cacttcccgt ctcagaattt aac 333
```

<210> 60
 <211> 399
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 28, 29, 50, 53, 56, 62, 64, 65, 68, 69, 77, 79, 92, 97,
 98, 105, 123, 134, 136, 143, 149, 151, 152, 174, 214, 216,
 220, 227, 241, 243, 296, 373
 <223> n = A,T,C or G

```
<400> 60
gttaataatt gttgtctgca ngcacacnng acatgcctcc acccccatcn tancanacag 60
antnnttnnc tttccantng cctgtctcct cnaactgnct tgatnatgtt acattatcat 120
ctnccgactc tggntncaaa ttngtctcnc nngttcctga agttggccaa tganattcct 180
ctgaaccttg aatgtggatg acttcaggca gccnngttn cccaaanaaa tggtaacctt 240
nanacacctt cctaaaaggg ctcccacgaa aggggaaagc caggaaaggg caagangacg 300
gaccctgacc actatgaaac agactacacg acaggtgggg aatcctgcga agactggaag 360
aagactgggt ccngggaata tcccctatca cttccgac 399
```

<210> 61
 <211> 420
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 31, 34, 44, 72, 75, 82, 87, 106, 108, 120, 131, 140, 141,
 143, 144, 148, 149, 157, 175, 180, 226, 238, 252, 257, 261,
 303, 310, 316, 328, 331, 333, 334, 335, 336, 352, 376, 390,
 396, 397
 <223> n = A,T,C or G

```
<400> 61
agctacgac gacacactct ttacaacaat ncanggtata aggncccttat tcttctgctt 60
gtgtccctcc tnggnatggc cnatgcnact cccggagccc ggggtntnat taactgctcn 120
ggaggaagtt ntatctgttn nannactnnt ctctgtntga gcagaggctg acctnttgan 180
ggggacctga ggcattgccc gttgcaccac aaggccatgg agaacnctga ctgctacnca 240
agcacctcta tnggatntat naccggtgtc cctgtgtagc ggggcctgat ctgtgacggg 300
gantcgaacn tcaacngcgc catctctnng ncnmntatg gcattctgct cnaactccagg 360
cgctccaaac agtganatca cccctttttn ctgtannct tcttctcttt ctccctctgt 420
```

<210> 62
 <211> 483
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 412, 460
 <223> n = A,T,C or G

<400> 62

- REPLACEMENT COPY -

```

gacaatggga gcagccaaag ctagcctcgg ccgatcttc ccagagtcct ccattcttgtt 60
cctatgtgac atgcaggaga aacttcgaga tagaatcctc tacttcccac agatcgtgtc 120
aatggccgct cggatgctta aggtagccca gatgctagaa atccccgtct tgctgacaga 180
gcattaccca caaggtctgg gccccacagt tcccagagctg ggtgctcagg gtctgcgaac 240
catgagcaaa acgtccttca gcatgggtgcc cccgcttcaa caggagttgg acaaactgcc 300
ccagctgcag tccgtgctac tctgtggcat tgagacccaa ggctgcatct tgcacacagc 360
tctggacctc ctggaccgtg ggctacaggt tcatgtaaca gtggatgcct gntcttctca 420
aagtgagatg aaccggcctt tggcactggc ccgaatgcan caaaatggcg tctttctgtc 480
cac
483

```

<210> 63
 <211> 197
 <212> DNA
 <213> Mus musculus

```

<400> 63
gcacagcccc tgcctgcctc ctgacaaccc cttggacttt gagaaaaccg acatgattga 60
ccgtcccact tgatgtcctc gcctagaaga gtgacaagag ttttggagtc ttgagggccc 120
tgctgtgtgt ctggcgctcc tggacatcag gacactaaat aaataaagac tgagtactgg 180
gctctgaaaa aaaaaaa
197

```

<210> 64
 <211> 200
 <212> DNA
 <213> Mus musculus

```

<400> 64
gttatcgctc agtggccgag cacttgtcta atatgtgcac agccttgggc tccatcccta 60
atactgcaac aggagcaggg gaatgctgct ggtgtcttgg tatctggggc aaaggtgggg 120
ggttaatgaa aagcaactca gactactgaa ccagatacag aaaggcaaat aaaaatcaat 180
gtgttaccat aaaaaaaaaa
200

```

<210> 65
 <211> 145
 <212> DNA
 <213> Mus musculus

```

<400> 65
agaatgactt ttgccccgaa atctggatga cctccagctt cacccgagcc aggagaaagt 60
ctttgtgaac tgtgaagtga agtcaaaaag actgactgaa tcgaaagagc agatgagtca 120
agagacccat gcaaaaaaat aaaga
145

```

<210> 66
 <211> 437
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 17, 99, 106, 131, 134, 169, 176, 203, 208, 238, 240,
 262, 308, 315, 346, 400
 <223> n = A,T,C or G

```

<400> 66
acttctgcat tccgcnctt ctctggatac cccgccttca ggaagacttc caggactgac 60
ggtacccagt ctcggcgccc tcctcccagg agcccttana atggcnaggg tctgggtcct 120
gggaacttgc ncnctctgc attgcttccc atacactgta tttgccttng ctgatncaa 180
ggccccgagat gctctcagat tanccganac cgcagcaaac attgccagtg tgaccgan 240
aagaatttct tcttaaagat anactcctca ttctgacacg tcacggagtc cctgtcatca 300
caagtcanag tgtanctgga gtccccatcg tcccttctat gtccancaga tccaggacgc 360
ctctttgagg cagatcattg ctgtaggaaa gccccatttn cctttcccca ctatccttgt 420

```

- REPLACEMENT COPY -

cctcctcctg tgagtga

437

<210> 67
<211> 195
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 34, 55, 71, 105, 128, 133, 149, 162
<223> n = A,T,C or G

<400> 67
ctctcatctt cggaaggctg gcactcatat cganaatatc gatgaaggac ttcanggatg 60
ggctcaaact nttgcttctg ttggagggtca tttcacggga acgtntgcct aacccagagc 120
gggggatnat gencagtgca ctagatccnc cttaactctc anaatggacc ccaaactccc 180
ccaaaaatcc ttttt 195

<210> 68
<211> 175
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 73, 89, 106, 107, 111, 116, 140, 143, 155
<223> n = A,T,C or G

<400> 68
gcacctgcac ttttcccacc tcagtgcact acaaggggtgc aattccctca caggccagaa 60
agagggcctg gancccttgg gaaacggtna acccatcctg taggtningaa naattnaact 120
gagtcttctg gaataacaan cantgctctt aactnctgac ccatgtctct ctcca 175

<210> 69
<211> 179
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 46
<223> n = A,T,C or G

<400> 69
ccagaccagc ttgctcaacg acagatacta ttttggaaaa ttgcangcat ccctctcaca 60
gccgggggttc tggggaaggg aagaagcaaa gaaactgggt ctctcccctg ggctttatgt 120
ttggcaaact tgtttactta aaatccacct ggcccccaaa tttccattaa aattgaagc 179

<210> 70
<211> 220
<212> DNA
<213> Mus musculus

<400> 70
ggtctgcaag atgacagagc ctgactccca agttccgtcc tcctcaccce tccgctccct 60
cttcaagcca aaaggagccg gctgtctggg gtctgggttg ccctgattca caatcccacc 120
tggatctccc aaatttgtga ggaagggttg taaaaagcta agcgctgctg ccgcaccac 180
tcagctccct cactgctgct gaccattcac aaaaaaaaaa 220

<210> 71
<211> 107

- REPLACEMENT COPY -

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<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 28
<223> n = A,T,C or G

<400> 71
aatctccgaa attcganac aagctgancc gggaacctta atataacttc gtataatgta 60
tgctatacga agttattagg tccctcgacc tgcagcccaa aaaagta 107

<210> 72
<211> 255
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 54, 87, 95, 112, 131, 132
<223> n = A,T,C or G

<400> 72
ctgggtgggaa ttgcccccaa gatactgaac ctcaagggtgc aaatgccttt ccanccactt 60
cctgatgcat actcggggccc cctgccnact gcagnctttc gggctgtgtg anctcctgaa 120
ctgtctccga nntccttgag ggagcctggg cccgatgtcc tcccatggat ccctgctttt 180
gtggcctgct tcattttccc ttcttaatgt acatgggtgt tttccatctc cacataaatt 240
tggccccaaa aaaaa 255

<210> 73
<211> 196
<212> DNA
<213> Mus musculus

<400> 73
gggtgataca attctggaga ctggagaagt aattccccaa tgagagattt tcctgatcaa 60
catcattgaa gagtccttaa aaacttaaca gacttgtgta acagcacaag tatgttccta 120
aagtgtgta tttactgaat ctgtttcctg gaaaagtaat taataaagct tattctcaga 180
gtgttaaaaa aaaaa 196

<210> 74
<211> 186
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 27, 62, 79
<223> n = A,T,C or G

<400> 74
agaacaattt atctctngga tacggangaa catcactagg cacattttat gaatactcca 60
antcctaagt tacactgana tctagacctt catttggcag ggtcaggcca ttggatgggtg 120
ttgctgtatt gtcttgtcat gtttttaaaa tctgtgcact ttgtccaaag ttgacatttt 180
ttttttt 186

<210> 75
<211> 309
<212> DNA
<213> Mus musculus

```

- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 25, 27, 37, 41, 58, 72, 81, 88, 96, 98, 122, 135, 151, 155, 164, 165, 168, 178, 186, 189, 199, 218, 220, 232, 253, 262, 268, 275, 286

<223> n = A,T,C or G

<400> 75

```

gccccacctc cctccctcga atcanctcgc atgaaantca naaaatgtag agtctcanaa 60
tatctgttca anggtctgac ngtcgcanga tcctcncnaa gggatagctt gccgtcccca 120
tngttttctga tcccnccgggt caccactgcc nccancaacc tgcnaangc tgctgaancc 180
catcncang accaccatnt tgaagaggaa tgttttcntn actgtattgc cncgtttgag 240
gaagaccacc ccngggcgca cntggcangg agcantgcc aagatnattc tcgtcctcaa 300
ctggatgaa 309

```

<210> 76

<211> 218

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 30, 45, 46, 64, 71, 93, 100, 110, 131, 145, 146, 169, 171, 175, 181, 187, 192

<223> n = A,T,C or G

<400> 76

```

ttccaatgac tgcccttttna caataaaatn ggaagccaca accanngtct tttggataaa 60
gcancacaat ngacattgta atcgaaggca acnatacgcn tatccttccn taggcactta 120
tctttcccaa ncatgggaaa gatcnnccct cccccactca tccctcccnc nctcncactg 180
nctggtnggc tntcagaact atgtaaaata aaatataa 218

```

<210> 77

<211> 531

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 116, 134, 363, 376, 382, 386, 392, 408, 454, 458, 470, 507

<223> n = A,T,C or G

<400> 77

```

attccactcc gttaggatta aagagacaga gtgtacttcc cccaggagag acagcctaaa 60
gactgcgact tcctggagga tggggaggag agaaattgca cagggaatt cttcanaagg 120
cggcagtc aa cctncctgac cttgacctgc gacagggatt gcagtcgaga ggatacccaa 180
gaaaccagtt ttaatgataa gcaagacgtc tctgaaaagg aaaagtctga agatgtgccc 240
cctcacatca ggaacattta tgaagatgcc aagtatgata tcatcgga caatcctgaaa 300
aattttctagg gctggaaaga ggagggagggt gctccctgca tactatgacc tcctctttac 360
ctncactacc catctncccc tncatgnattc angatctgcc cctccttncct gcccttccca 420
ggaacacccc ctctagagta ctctagctcc taancatnca tacctttgtn catttgcttc 480
ttctgctggg ccttctgcct taccctntat ctgaaaccct tattgattct t 531

```

<210> 78

<211> 233

<212> DNA

<213> Mus musculus

<400> 78

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ggaagtacat ttgaagaaca caagtagagg aagtgcagga aacaagacct acagaatgta 60
ggaggagcct cccacggagc agaaaatgcc acatcaccgc aggatccttt gctgcttgag 120

```

- REPLACEMENT COPY -

caacctgcaa aacatcgaaa cacctaccaa ataacaataa taagtccaat aacattacaa 180
agatgggcat ttcccccaat gaaatataca agtaaacatt ccaaaaaaaaaaaa 233

<210> 79
<211> 554
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 22
<223> n = A,T,C or G

<400> 79
tgacgtgaaa cgcgcncccta cnagggagaa tcaccacact gaaacccaga gagacaaaag 60
aagatgacac tgctggaacc aggatgcagg gccactcctg atctggatgc tgggggtaag 120
caagtgcaag gcaaaggcag agcaaaggct ctgaggcgcc tcttcccgcc atgccgcaa 180
cccctggaga aacacctgct atttcaactc cccaagatcc tttaggaaaa atcattgctc 240
taggcctctt tgatttttct ctcaaaagca atagctgtct gcctcactgt gcctttgttg 300
ctgtggaaga ctgaagatat aaatgagcat tactgggatg ggacgtctgc gtgaagactc 360
actggagatt cctttcaaata gccatctttc tgtacactag atttctttct ttggatcctt 420
aaagatttct ttccagtgtg aagggtttat ttgttttgtt ttaatgtcta tatttgtttg 480
aaaaaaaaatca ctgtgatttt acatttcacc acaattaata aacattggga gcttcattct 540
ggtaaaaaaaaa aaaa 554

<210> 80
<211> 322
<212> DNA
<213> Mus musculus

<400> 80
ccaaaaatgg atttgctgtg cccaccaggc agagacagga gtctggagtc agttcaaggc 60
gagccccagg agtccatcag catgcctcag aactgacca gcaccctgga gcacatcgtg 120
ggccagctgg acatcctcac gcagacagtg tccattcttg aacagcgact gacactaaca 180
gaagacaggc tgaagcagtg cctggagaac cagcagttta tcatgcagag aacgccaccg 240
tgatgagggg agcaaggatc aggagctcag tgattggggg gacagcaggc cagggatttg 300
tatgggggact tgagtaaata cg 322

<210> 81
<211> 168
<212> DNA
<213> Mus musculus

<400> 81
ttcaactcca ccacctcctc agaacttccc ttggggaaga tctgcatggg ccgcccctat 60
acctccaagt gtgtagagac gagtcacctg acgagaggcc ccaagggtgg caaaaagccc 120
aacctgtcac gcacagccct cactgcctga tctgcacaga ccaacat 168

<210> 82
<211> 275
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 242, 254
<223> n = A,T,C or G

<400> 82
acatgcggat tccccctgtg angatggagg aaagggtctt gctaccctga ctcaccaga 60
gccggccgcc ttatggggac tgcagcaaga tggatggaaa atatgtgcag gatctgttg 120

- REPLACEMENT COPY -

tacaatagac agaaaactga actgtagtct atgtgtagct tccgaccaa ggaacttctt 180
gagttaatat taacttaagg gactcccttg ggcaaagtta ctgatagtgg ccaaaggccc 240
tncggtctga ccanctccca aaaaccaaac ctgct 275

<210> 83
<211> 232
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 40, 56, 77, 98, 109, 160, 183, 184, 191, 207
<223> n = A,T,C or G

<400> 83
ctcctttgct ttcctaacca tcggaatggg aaacatcctn gatagggtcc ggatcnagtt 60
cctgtggcaa ggctgantgg gacggatgga cccacctncg gcttgacng tgccctggc 120
caccgcgcct aggtatctgt ttggactacg aaacgggggn gcgggtctcc ttcctggaat 180
gcnnrtgtcct nccgtgggct gctcaantgc cccctggaac tgctcagggc ct 232

<210> 84
<211> 319
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 38, 50, 53, 56, 57, 60, 69, 80, 96, 114, 116, 128, 136,
148, 165, 170, 172, 207, 214, 216, 232, 256, 258, 268, 282,
283, 286
<223> n = A,T,C or G

<400> 84
tcttctgctt gagtccctcc tgggcatggc cctngcnct cccggaccn ggntannatn 60
gagtgtcnc aagacagctn tatcggtatc actacnggtg tccctgtgag cggngnctga 120
cctgtgangg ggacangagg catcttcngc tccatcacca acgnattan gnactctgac 180
tcgactccag gcactcctat cggatanatc tacnngttt cctgggtaat gnggttcttc 240
tctttctccc tcagtnatn ctgaaccngc catctgttgg cnntntatc ccacttgcct 300
cctttccagg ggctccaaa 319

<210> 85
<211> 387
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 40, 48, 58, 169, 242, 255, 278, 312, 343, 355
<223> n = A,T,C or G

<400> 85
taatattctat gctatgatgg cctttttggaa cccaagagtn ggattacnac acccaganct 60
gggggaatac tcatgagtgc tctgctggcc ctagctctta ccacgtgcag ctttcttctc 120
ctttccattc cctattcctc catttcctct tcccagccct tccctcagnc aagcctctgg 180
gtccttgggc tctccatttc ttcattagtc tcctcctatc ccttgtctct gccctgcac 240
cngcccttcc ctcantgatg gttggaggaa tgtactanac ccgagaatcc ccggcctggc 300
ctgagagatt anatctgtct gtgtgctgcc ttggctctca aantaagcag ctaancccca 360
tttggttctc aataaagtgt gaatcac 387

<210> 86
<211> 406

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<212> DNA
<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 27, 39, 43, 57, 60, 65, 82, 92, 95, 101, 104, 110, 124, 129, 132, 138, 145, 152, 168, 171, 172, 179, 186, 193, 203, 216, 231, 238, 255, 256, 259, 266, 278, 312, 321, 332

<223> n = A,T,C or G

<400> 86

atggaagaca	cttganaccc	tcgtccnccg	gaggtggcnc	canaggaatc	tacgcancan	60
gcgtngattg	aggagccctt	gnatcctgtg	anttntccga	ntgncctttt	acagacgctg	120
cctntaaana	gnctagtntc	tgtgncttag	gnctttccccc	tgtcctanaa	nngcactgnt	180
ctttgnagaa	gtnatccctc	ccnctacctc	ccatgngcca	cacttttaat	naactatnat	240
tctcctctta	gaggnagnt	agaaanccac	ggcccaanat	tcctgtcact	ctcattatcc	300
ctctagatca	gnagtacatt	ntgagacctg	tntcacaagt	ggtcatttct	cttctctcct	360
gtctggcatc	cgatcctaag	taaacaagtg	actaatataa	tcatga		406

<210> 87

<211> 540

<212> DNA

<213> Mus musculus

<400> 87

gtgaatgagc	tggatggcat	tcctctgata	ctggacagca	gcaacatcga	tgacaacaac	60
ccctttatga	tgcagtgggt	ggtgtatgct	gtgcgaaatc	tcactgaaga	caacagccaa	120
aaccaagatg	tcattgccaa	gatggaggag	cagggcttgg	cagacgcata	cctactgaag	180
aaaatgggct	ttgaaattga	aaagagtggg	gataaactga	ttctgaagtc	taataatgac	240
atccccccgc	cttgaatgcc	atcttcata	gaacacattc	agattccatc	tcacggacct	300
ctcatctctg	cagtgtatga	aatcacaagt	attggacatg	tagggtagag	atgagggagc	360
ctcctaatac	tttagagtaa	atgagtgtaa	gctacaagtg	gacgttttct	ttatttcttt	420
gcagtaagtg	ttactgtctg	cctcaccttt	gtccctctgg	gtagaactcg	ctttcccgtc	480
atatacattg	tgcttactgt	tgtagtaata	aacgtctctg	tgggcacagc	cctcactcgg	540

<210> 88

<211> 400

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 57, 59, 119, 142, 145, 267, 271, 273, 279, 285, 310, 312, 358, 368

<223> n = A,T,C or G

<400> 88

tcaaggattc	tccgccggcc	anagcccaac	aggacacccg	gactctcgca	aaacacntnt	60
ctacaccgat	cggtccaaaa	acaaggtctc	aaaaaagctg	aaggctcccc	gtccccaanc	120
tcctccacac	tctccaaacc	ancantcggg	agggcttgcc	tgcctgggtc	gtggctctcc	180
cttgtcccca	atttcggcca	cccccgccat	ctcctgctct	cttttcccg	cacccggagc	240
catcccgtcc	ctcggggctg	gtacctnact	nanaaaacnc	gggcntgaca	caatgccccg	300
caggtcaatn	tnaactgggg	aggaaagccc	gctcttcagg	acaaaactcc	cgaacttnaa	360
agcctgcnct	tcatacagct	cggtgaccaa	aggggcccag			400

<210> 89

<211> 212

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 28, 31, 59, 62, 96, 104, 111, 114, 129, 131, 172
<223> n = A,T,C or G

<400> 89
gatctggaag acgccccact gaaattcntt ncggcaaaag gagggtagcg gaaggattna 60
ancgtcaagg gtcccaaadc ccggagagag agaganatcg ggcntctaga ntcnggggtgt 120
ccaggacant nactgcgcat ctgcacaaac tcttttctaata tatctaaca tnttactctt 180
tcagacactt ctttctatct ttcttttggg gg 212

<210> 90
<211> 261
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 72, 97, 117, 140, 143, 215, 217, 224, 236, 240
<223> n = A,T,C or G

<400> 90
ttcctgggag ggcagtgaag gggatggaaa cactgactga aactgtaaata cctgccactg 60
ctgtgtgtgc tnaggctgga atctctgcac ctgcctntca ctcaggacgg gggggancca 120
aaaattcggg ggctggcttn tgnatttacc ctggcttcat aacctcagga tattaaattc 180
tcatcccagg aatcagctgc caacttttagc ccatncttct tttntataca ccttancatn 240
aaagggcact ttttaaaaaa a 261

<210> 91
<211> 181
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 28, 35, 52, 66, 77, 78, 79, 80, 83, 88, 103, 104, 155
<223> n = A,T,C or G

<400> 91
ctatgtaaata ctgactngaa gcccttanta tagtntcttg gattgtgcac anaatagaaa 60
aatgtntgga aggcaannnn acncttanga ttcccaaggc acnnatcttt cccagcatgg 120
gaaaaatcct cctccccct cctccctcc ctcntcact ctttctatta tgctctctta 180
t 181

<210> 92
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 240, 244, 248, 259, 263, 267, 268, 270, 272, 276, 278, 284,
290, 292, 309, 317, 323, 325, 327, 333, 336, 340, 345, 351,
361, 371, 378, 395, 402
<223> n = A,T,C or G

<400> 92
ggaaaaccct ccagagcatc ctcagggaag gcatgccacc ctccagaagt gatgaagaca 60
attcaaggct agggcccaaa ccaacttcca caatgtctca gactctctcg ggagggtccc 120
gggctgtcag caattctgta aaagggtcagc gtaaatcact tgggaggcat ttgtgtaggc 180
atgggtctctc ataaatgagc gtctgccaag cccatatatt tctaaaaaca tctgcactgn 240

```

- REPLACEMENT COPY -

```
cttnaccntg ggttcaaanc agncaanntn cngggncntt ccntgaacn tnaaagggcc 300
gccaacctng ttttggntat ggnanentec aanctnaggn gaacntcatg ngagatatct 360
ntactcatat ntcacatntc caaacttccc agcanaggca anaaatctgg ggaaactt 418
```

<210> 93
 <211> 214
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 75, 96
 <223> n = A,T,C or G

```
<400> 93
acatgcatcg ccagtgggca aacctgatgg aaaaaatata ggcctctgtg gctaccaacc 60
ccatcatcac cccantggcc caggaaaatc aatgantatc cttctcctgt cctgcaacaa 120
catccatata cagccaggtg gccctgtccc aagcacctct ctggccctct ggtggccctt 180
gcttaataaa aattctccga gcacaaaaaa aaaa 214
```

<210> 94
 <211> 445
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 365
 <223> n = A,T,C or G

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<400> 94
gactctagac gtcctctcca gaactcttct caagttatgt ccagatccca ggcccctctg 60
gctccaattc acactcctga gctctaagga tcacagagct gtcgtctctg tagccagatg 120
gcactcctcc atgttccccg gatggccact tatactctca cccctcctct tagccctcca 180
gaaagatgtg tggcaagggtg ggggatggac atgacgtgaa gaaactcacc ttcaggagcc 240
ttccttacag caggaggggtc cagaggcacc tggcctgact ccctccttta tgggttgcag 300
gacattgcca ggtttacacg gcctctgagc ctggactgtg aggctaggaa ctcacgtcac 360
aaggnttggt gttaaggatc cagtgaagct attgggtaga gcacctatga caggacatgg 420
cgtcctgcaa gcacgcaata aaacg 445
```

<210> 95
 <211> 339
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 88, 106, 157, 172, 182, 221, 296, 304, 309, 316
 <223> n = A,T,C or G

```
<400> 95
catcttggtg tgtttctgtc ttccttggac cacttacagc ttggcaagtg tcctcatcat 60
cggtactgct gactctgtcc tcctgaanaa tatcttgcag gtgaanaaat tcggcagcgc 120
tagaaaaaaa tgtcataata ataaatacac tggaaantca tttatctcaa tnacagacta 180
cntgcaattc aaaaaccgac atactaatct gttgcttaaa ntaaaatcag gggccaaata 240
aatgattgaa taactataat ttacttcaaa aaaatgcctt gaacaaaatc taaaanctga 300
accntgtcnc ctaaantaac cttttcattg tataaatta 339
```

<210> 96
 <211> 264
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 96

```
ggtgggttttc acagccaacg actctggcca tgcgactac accatcgcag ccctgctcag 60
cccatactcc tacagcacca cggctgtcgt cagcaacccc cagaattgag agactcagcc 120
caggaggacc aggatcttgc caaagcagta gcatcccat tgtaccaaaa cagtgttctt 180
gctctataaa ccgtgttagc agctcaggaa gatgccgtga agcattctta ttaaaccacc 240
tgctatttca ttcaaaaaaa aaaa 264
```

<210> 97

<211> 292

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 32, 43, 44, 50, 59, 62

<223> n = A,T,C or G

<400> 97

```
tccaacccccg cggacgcacc cgcnaaactg ancagaaata ggnnaaacn acgggacagng 60
cnaatccagg cctggcgctg cgggcgggaa gacgctggcc tcagcgagcg cggctcatct 120
tccagattag aagattcccc ccgcacacac caggggaccc ccgcaacacc aaggcacaga 180
cagcctccgg acagagctgc cgcccactgg gctctgtccg cccatccgag ccaacactgg 240
ctcccgaata catcataatt tggaataaaa tgtgaaatcc caaaaaaaaa aa 292
```

<210> 98

<211> 218

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 103

<223> n = A,T,C or G

<400> 98

```
gtgggggtctt tcaaagacct tggcgagaaa gccagacctg cgctggagga cctgcgccat 60
agtctgatgc ccatgctgga gacgcttaag caccaaagtc canagtgtga tcgacaaggc 120
cagcgagact ctgactgccc agtgagggtgc ccgcttccac tccccacccc cgcattggct 180
ttcttacaat aaacctttcc aaaatggaaa aaaaaaaaa 218
```

<210> 99

<211> 273

<212> DNA

<213> Mus musculus

<400> 99

```
ggaggaagca agggcagtcg gcagagccga cccaccatcg attcggacac aatcacctgc 60
tggaatttgc agagccggtt taaatatgat cataacgtcc agaagtctgt ttctaaaata 120
tagaaaggca agatgacagc tctaaggatg ccaattttga agaacttgga atcttttcgt 180
tttgcattaa accttgggct catctagctg ggtttcctgg tgtgacagga gaaagaaaca 240
gtaataaaaa atggcttcct tgaaaaaaaa aaa 273
```

<210> 100

<211> 210

<212> DNA

<213> Mus musculus

<400> 100

```
gggccaacag agccaggatt cagcaggagc gccagcagag gcagcagcct cgggcagaaac 60
```


- REPLACEMENT COPY -

```
cctccctgcc tccagaaagc tccaggatca tgccccagga cacaagcccc tgagaggctt 120
aactaaatgg gaccttcatt ggtcctctcc ctgctgcctg tccagaacta cacgtgcaat 180
aaactcattt tcagacgcca aaaaaaaaaa 210
```

```
<210> 101
<211> 447
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 384, 398, 408
<223> n = A,T,C or G
```

```
<400> 101
cttgagggttg gcccgcagat ccatggacac cttgtgctta gagcccagta gggctcggag 60
catggcatcg gctgagacac ggacccggcg caggggagga cgcttgaact tcccacggag 120
gtccagcacc ttcagcttca ggtccttgat ctgggggagc aaaggagcca ggctctgagc 180
cagggatggt agacctagag ctctcaccct gaggatccaa ccactgggct tccagctaga 240
accatcctac aagtcctccg ggctccaggc tagaccatct ggggtgctca gaatctccta 300
ccctttttcca agcaatcact acacacgcta aatgttctaa atgaactttt acagattacg 360
cccactagtt aaccttgcct cttncccata acccagtncc caattaantg ataagccaat 420
aaacctttac tcccatttgg aaaaaaa 447
```

```
<210> 102
<211> 104
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 18, 31, 61, 66, 67, 70, 80
<223> n = A,T,C or G
```

```
<400> 102
aatattccgg aaactaance ctatcctgct naccatctcc tgcttctggt tccaggctcc 60
ngaaanncan ttgggaaaaan tgggcctccc ccctccttta taaa 104
```

```
<210> 103
<211> 234
<212> DNA
<213> Mus musculus
```

```
<400> 103
tgcccagggt cccctaagtt tccaagctgg cctccacctt gcaacgctgc tgcttcagcc 60
cgagtacctg gattatagtc cttcagtgtc ccgcccagct cacaaccttc tagggtttgt 120
tctgttttta aggaagtcag catttggaaa atctacacct gtacaagatg tggaaaatca 180
cttgatcaaa gtaaaacaag gcagaataaa agttggatat gggaaaaaaaa aaaa 234
```

```
<210> 104
<211> 307
<212> DNA
<213> Mus musculus
```

```
<400> 104
agtactgcta ccccgccctgg cccaagggtga agattttaact attagaggat tcaaccatga 60
aggtctgggt atacagtgca tccctgtgac ccagcactc tgtgcagaag caagaagata 120
gcagcaaatt caaggcctgc ctaatgacct acctacaaag tcatacttaa actgagacac 180
tgacgctcag tagaagctga gcagaaggat agagacctgc aggccagcat gttctgtcta 240
gcaagtttaa ggatagggtt acataaggga acccccgtct caataatata aagtaaaata 300
aaataaa 307
```

- REPLACEMENT COPY -

<210> 105
 <211> 324
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 99, 105, 172, 203, 219, 224
 <223> n = A,T,C or G

<400> 105
 tgccaggaat ccttaccgcc tatgtgcatc cttcctaagg acataggcgg atgccgagct 60
 gtgtttgtga aatggtacta taactccaaa actggcaant gtgantgggt ccgctatgga 120
 ggctgcaaag gcaacaaaaa caacttcccg agcaaaattc agtgccaggc antctgcatc 180
 aacacctgac ttgtcaagcc aanccagccc tccatggant caanctccct ggggacccct 240
 gaaggggttt gtttgtgaat aataataatt gcatttcctt aaatacattt ccctaaaatt 300
 ctgtctatct ccgaaaaaaa aaaa 324

<210> 106
 <211> 183
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 39, 44, 56
 <223> n = A,T,C or G

<400> 106
 gttcagatga tgcaaaggaa cggaaatcct tcaaacacnc aaanacacag tacggnaaac 60
 acagcacaga atgagagcag gttcaggccg aacctcaacc caacctggag ggacatctat 120
 cctgcttggg ccaccccggt ccttgcacac aactttgaca aactccatgg aattaaaaaa 180
 aaa 183

<210> 107
 <211> 132
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 31, 33, 52
 <223> n = A,T,C or G

<400> 107
 ggggtgagaa agatccagag gnaatggcca ngntccctc aagagaagat gnctacatta 60
 taaactccct tttcaacccc aacaccact atatattttt aatatataga aaaaaaagct 120
 aaaaaataaa aa 132

<210> 108
 <211> 214
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 75, 80, 84, 88, 91, 118
 <223> n = A,T,C or G

<400> 108
 ttccaaactg ctttttgaga ataaaatggg aggccagaac caaagtcttt tgaataaagc 60

- REPLACEMENT COPY -

```
accacaactc taacntgtan ggangaanac naaaccaaaa ggaaaaaatc tttcgcanca 120
tgggaaaaac ctccctccgg gccctccctt actccctccc tcccttttga cccattttca 180
ctcttccacc atacactcaa taaaataaaa taaa                                214
```

```
<210> 109
<211> 111
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 27, 43, 48, 87
<223> n = A,T,C or G
```

```
<400> 109
atgccactct cttaggttta aaaatcnctg gaataccaaa aancaacnct tcctctggtg 60
ggcaactaat tcttatcttt acatggnaca gggcgggggg gcaggggggg g          111
```

```
<210> 110
<211> 119
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 48, 79, 87
<223> n = A,T,C or G
```

```
<400> 110
atgccactct cttaggttta aaaatcgctg gaataccaaa aagcaacnct tcctctggtg 60
ggcaactaat tcttatctnt acatggnaca gggcgggggg gcaggggggg ggaatttga 119
```

```
<210> 111
<211> 161
<212> DNA
<213> Mus musculus
```

```
<400> 111
aagctggatg tcagatccct gggaggatat gagaggatgt ttccagaaag accgaactaa 60
aaaggaacgt ccaaccctga atgtggagga catcctcctc tgggctgggc tcccagactg 120
agtaagaaga aaataagttg agctcgcccc ccccccccc c                    161
```

```
<210> 112
<211> 226
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 108, 122
<223> n = A,T,C or G
```

```
<400> 112
agggtacagt ggcgactgga aaaacacttc actgtggccc aaagtgaggc ttttgacagt 60
gtttaccgaa agcaaatgca cggggtgcaa aggttcccct gggacacntc tgaaaaggat 120
ancagccctg atggccagcc tgaccctgag cccagcccca gccagcttc tgatgacccc 180
aaccaggat cctcacaata aacttatcac tccaacaaaa aaaaaa                226
```

```
<210> 113
<211> 390
<212> DNA
```

- REPLACEMENT COPY -

<213> Mus musculus

<400> 113

```
ctgtgttcct ggtgcctgtg gaggccagaa gagaatgtca cgatcttcta aggctgggga 60
tgcagactct tgtgagctgc catgtgagtg tgggacttga acagcagcca aatactttta 120
acccttgagc catcacttca gcatctcccc cacaccttct ttaaaacagt ctcttgtaac 180
cataactgaa aactatcttg aagcctgaat actcccactg ctatcttgag tgtgtggctt 240
agcatcatgt atcacgcctg gtctatgggg ttctggagtt gaaacaggac ttcctgcgtg 300
ctaggaaaac actttccaac caagatacat ctctaccaga attccttttt tggtattttt 360
tgtttgtttg gggttttttt tttggggggg                               390
```

<210> 114

<211> 262

<212> DNA

<213> Mus musculus

<400> 114

```
gactgaggca tgctgcagaa gtgtccttcc atcgatgact ttgtggatgc cctcgtgtct 60
gacatgaatc tggactttga aacgttcttc ctggattcta aatagcagca gcatggctcc 120
cgtggataag aaccttgtca ccagaccctc cagctaggaa agctcgctcc agcttcagcg 180
atcactgagg agacattttc tgacaagcct taaattgaca ggactcagaa taaatagtaa 240
tgttttaatt acaaaaaaaaa aa                               262
```

<210> 115

<211> 297

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 25, 40, 42, 52, 62, 142, 183, 214

<223> n = A,T,C or G

<400> 115

```
acacaatgta ctccgcnaca tccanctaac tcaactgaan antgaaccgt tncagcctcc 60
anaagggaag acagtgatgg tggcactgga ggcccagctc ggaatgtcgt gggctgaggc 120
caaggggagc cctctacctt antccctcca accctactgg gcaccttccc ctgacctgcc 180
canctcgga tgtctgtctt gggctgaagc caangggcag cctctacctt atttccacca 240
acctcaccgg gcaccttccc ccgactcatg cttttactgg taaaccgctg ccactgg 297
```

<210> 116

<211> 144

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 98, 107, 111, 112, 119, 122, 126

<223> n = A,T,C or G

<400> 116

```
tgatctgcaa ataaacgcaa acnacagggc cacgcacgag cctcagcccg acgtgtcttc 60
ctcctgtccc ggggtcaaaca attgtggcag taccctnta tctgtcnctt nnagcttcnc 120
cnttgnccaa acccccgatt tcca                               144
```

<210> 117

<211> 463

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
<222> 39, 182, 236, 443, 446
<223> n = A,T,C or G

<400> 117
caagccggac cctccggaag gcgtgcgcct gcgcacagng ggacacgcgc ctgcagggtgc 60
tctggcatcc ccctgcttcc tggcccttcc cggacatctt ctctctcaag taccgactcc 120
gctaccggcg ccgaggagcc tctcacttcc gccagggtggg acccattgaa gccacgactt 180
tnaccctcag gaactcgaaa ccccatgcc aagtattgcat ccagggtgtca gctcangacc 240
tcacagatta tgggaaacca agtgactgga gcctccctgg gcaagtagaa agtgcacccc 300
ataagccctg aagaggggact ggatccttga tatcagaccc tgatgtcgtc tacttgaggg 360
tggcaggggtg gcctgtcctg agtctgaata ctgactttcc atgtactggg ctgctccgaa 420
gcactggata attcacttga ttnttnagac ctcaattttc aaa 463

<210> 118
<211> 311
<212> DNA
<213> Mus musculus

<400> 118
gtctagggat cggaagatgg tgggtgatgt gactggagcc caggcctacg cctccactgc 60
taagtgcctg aacatcagca ccttggtcct cagcatcctg atgggttgta tcaccattgt 120
tagtgtcatc atcattgttc ttaacgctca aaaccttcac acttaataga ggattccgac 180
ttccgggtcct gaagtgttc accctccgca gctgcgtccc tccttgcccc tccctacacg 240
cagggtgtaac actcatttat ctatccacag tggattcaat aaagtgcact tgataaccac 300
caaaaaaaaa a 311

<210> 119
<211> 320
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 74, 81, 98, 127, 158, 219, 268, 302
<223> n = A,T,C or G

<400> 119
tttccaaaat gcctttccag gntagaacca ggctgcggat ctgctggcgg gacacaacag 60
tccatgcatg gacntcccta ntccattaga accggaanag gtcagctcag gaccttttga 120
aaattcnatc aggcaccctt cccctcctgg aagaaaangt gaggaacaa tctggaatga 180
gataggctga ctaagcccct acaacctcat tccctaaana ccgattattt taaaggggtgc 240
actgttctgc caatcatatt gtgcctantt gctgatgctc tattctgccc ctggaaactg 300
tntaaaaact cattgaccaa 320

<210> 120
<211> 284
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 55, 70, 98, 112, 115, 124, 127, 132, 137, 139, 153, 156,
160, 173, 175, 186, 193, 206, 210, 211, 219, 221, 226, 229
<223> n = A,T,C or G

<400> 120
cttacctctc ccaatagtat atcacgcgaa tgtgaatacc accctgggtg aaatnggcc 60
tcttcccacn atactcccaa actctgatct gctcccantg tcacataacg cncangtgct 120
gcgnccntgg ancctcncnc tgtctctgga tgnacnactn ttgccacatt aangntaagc 180
taatgnttga ctntgaaata aacatncctn ncactgacnt nggctnctna aggcctgggg 240

- REPLACEMENT COPY -

aggcaggacg ctctctcttt tccctttggg aggtcttttg gtct 284

<210> 121
<211> 154
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 30, 42, 51, 65, 97, 99, 102, 110, 127, 132, 138
<223> n = A,T,C or G

<400> 121
tttggggtaa atacaaacac nactgcggtg gtatgaacct cncctctggca naaatcaact 60
gcatnggtcg tgggtctttcc ccattccagga tttatcncng angcagtctn ccaatttctg 120
aaacctnatg cncatcantt actttgggct gaaa 154

<210> 122
<211> 376
<212> DNA
<213> Mus musculus

<400> 122
ggtagactct ctgctccagg ttctcaagga aaagggagga actgccagct gaagggacaa 60
cgacaagggc ggcttccaag gagcaaaaca aaacccttca aagactgcct tctgcaaacg 120
tcaactctac tggaccatca acaagatttc ctttgtgcaa ttactttaac tattctcctt 180
atctttcaac cgcaactaaa ctctgtgattt ttcgagcagc atcttctggg ttgaacttgt 240
ttctgtgaac cactcactac ttagaaagag ctttccaatg aacgcttttt ccagctaggc 300
tttttgttga ttagattcag ggctccaatt tgctaccatt cacaataaaa agcttccgtg 360
atcacgctgg ccaaaa 376

<210> 123
<211> 161
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 30, 38, 49, 54, 60, 68, 82, 108, 118, 120, 128
<223> n = A,T,C or G

<400> 123
ggaaaaaaca aaaccncagt ggattcaaan tccataanta atttgggaant aaanaccatn 60
cctggganca agtcagtgga cncctgggatc tatctggaca gtaattanca aatggatnan 120
cctgaaangg gcatatgcat aataattatt tgtaagcaac t 161

<210> 124
<211> 185
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 65, 86, 115
<223> n = A,T,C or G

<400> 124
aggaccggac tggaatagga acatacagct ggcaaaacca gtatgcgagc ccagatatct 60
aaatnctgca ctgtttttaca tgtgtncctc cagtgtcatc gaaactgttg tctanaacat 120
aaaaacatgt tgggtaccct gaagaatgaa gaaaggggac tgggtgaaaac atgggaaggg 180
cttta 185

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<210> 125
 <211> 115
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 32, 41, 49, 54, 58, 74, 89
 <223> n = A,T,C or G

<400> 125
 gggaccttca acctgagacc tcgntttcttt cncgctgccca natccgtcng tcangacnag 60
 tagtcacctc ggcncctgagc tcagctcang gtagcaccacc gatgttggtt ccctt 115

<210> 126
 <211> 362
 <212> DNA
 <213> Mus musculus

<400> 126
 gctctacatc acctgcctct caaagtcgcg ccagctaacc agatccccga taagctcaac 60
 aaagcctggt cgttcaacaa gacttccag agttgggtgc cagtagaggg tgatgctgac 120
 atctgtgatt gctgcagcca tggcaactgt agtaattcaa gctcttcaca gttccagatc 180
 catggacccc gccagtggtc caagctagtt tctcgaaacc gcaggcacgt gaccgatgaa 240
 gctgatgtca ctgtagggcc cctgatattc cttggaaagg ccaacgacca gactgtggaa 300
 ggctggactg cttctgctca aacctctgtg gctcttgggt taggcctggc cacagtggca 360
 tt 362

<210> 127
 <211> 230
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25, 40, 48, 56, 63, 69, 81, 119, 120, 137, 138, 143, 151,
 152, 161, 170, 192, 196, 213
 <223> n = A,T,C or G

<400> 127
 cctcttctgt ttccgggaat caaanggaaa ataacatgtn tgtgtgcnac ccaccnggga 60
 aancccaana agtggaaaat ntgagaaaaa gtgggggtgca ctggaatgtc tgctcgctcnn 120
 aggaggagtg gtgggggnct tcnggaccct nnggggggatg naaatcgctn cccttcttgg 180
 ggcctgttta tncaanttaa tgggtggaaat aanccccttt aacattaggt 230

<210> 128
 <211> 160
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 34, 41, 52, 54, 56, 71, 74, 76, 105, 114, 123
 <223> n = A,T,C or G

<400> 128
 ggaatgggccc tcccctcnac cctttataag cgangttgcc nttaaacatt tnancnttgc 60
 ttgatcttga ncananggaa taaaggtccc cacctccttc cttcntaact ggtntcgcaa 120
 cantaaatat ttgagctttg atcagtaaaa cggaaaaaat 160

<210> 129



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<211> 103
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 31, 41, 45, 46
<223> n = A,T,C or G

<400> 129
atgaggtcta ccttancctg gtgctggact ntgttccgga naccnngtaa agaatcgcca 60
ggacgctata tcggaggcat cgcagacagg ccctgtgatc tat 103

<210> 130
<211> 130
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 86, 96
<223> n = A,T,C or G

<400> 130
aggggagcat gggcctctat actggaaaag gcctgggaag gataacttca ctcaggaata 60
caaatgacc taaatcacag gaccanctgt cccgtntccc attctctccc ttaaaattaa 120
ggtttttgca 130

<210> 131
<211> 201
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 82, 97, 125, 168
<223> n = A,T,C or G

<400> 131
tgcccaacgc agcccggatc gtgggagccg cgcgaccag gagtcgtcct tgcacggctt 60
gcaagaacat ggcttgcttc anaaagaaaa tagtttngtc ttctctaaca acttactttc 120
agctngtcga aaatgaaaat aaaaagcact ggagagaaat aatttctngc actttatgaa 180
tctatttttta aaataaaaaa a 201

<210> 132
<211> 240
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 49, 87, 97, 102, 128, 140, 147, 156, 166, 168
<223> n = A,T,C or G

<400> 132
cagggatcct gaattgacct gggctctggg ggcaatntgg atgcctgtnt gatcactgca 60
gggggtgcca acctgcaaaa agcattnacc accccnccg ancctttgca aaaacctggc 120
cgttaccnat ttgctcctgn aaccacnctt ttctnaccg gggaantnaa acccctgacc 180
ctggaacttc ttgaggaaac tgtgcaggcc atggaggtga aataaattgg cctaaaattt 240

- REPLACEMENT COPY -

<210> 133
 <211> 215
 <212> DNA
 <213> Mus musculus

<400> 133
 ttaagcctga aacctgcttg ctaggggttg agcttccccg ctcaatcttt ctgcccggcc 60
 actgctggaa cctgccgctt tgctgttccg aagccatcac gtgatcaccc tgctactgga 120
 cttcaagatt atttggcggg aattggggcc ctcccgttc ctttataact gagtgccgaa 180
 atagtaaaaa ttgaaccttg agcagaaaaa aaaaa 215

<210> 134
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 134
 ggtgatggca aggaactaac tgaagacatt actgccctgt ccccctggaa atgccataga 60
 aaagaaatag taataaagta atttaagaat cacaaaaaaa aaa 103

<210> 135
 <211> 192
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 33, 48, 49, 63, 71, 75, 79, 80, 81, 97, 100, 133, 144,
 149, 153, 155, 166
 <223> n = A,T,C or G

<400> 135
 gatggctgca gcccgaagga tggagganaa aanccagaga cttcagannc agcttactga 60
 ttngaaattg ncaancaann ncatgactgg actcagnttn acgcaggaat agcatgtcct 120
 taaagcacia gcncaatctg gagnaggcnt cangncaatc ctgtancaca taagttgaaa 180
 acctctggaa ag 192

<210> 136
 <211> 380
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 349
 <223> n = A,T,C or G

<400> 136
 atgcttgatg aagctgatcg tgacggggat ggagagatta atgaggaaga attcttgaag 60
 atgatgaaga agaccagcct ttattagctg cttggtgcct tccaagaggt ttggacctcc 120
 tgttaacagc tttcctgtta agcagttcaa tgatgtaata cctgagtgtg tccatttcta 180
 cgttttagttt aggttagtcc cttggtgtct aatctgtgcc agaagttata tgtccctacc 240
 aatgtcatta aatctgtagt agtaagaaac aaacagacaa acaaacgcat gatttatttg 300
 aactgtgagc cccaaaacag tattttccata tggtatttta aagtcgtana ttccaaagac 360
 atttgacttt tatttttcag 380

<210> 137
 <211> 250
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 93
 <223> n = A,T,C or G

<400> 137
 ggggtgaacag ccagcagaat gtgcagcaga gcccagaatc cctcattgtc ccagagggag 60
 ccaggacctc tctcaaactgg actttttaagt ggncagggtgg cttttaagta tttctgggtgg 120
 gtacagacag cattctggga aagcccccaa ggcactgatg tccatcttct ccaatgggtga 180
 aaaagaagaa gggagattca caattcacct caataaagcc agtctgcatt tctccctgca 240
 aaaaaaaaaa 250

<210> 138
 <211> 261
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 93
 <223> n = A,T,C or G

<400> 138
 tgaaagggttt tgctagagca tcctgggnag aatcatcttg gaggatgggt ccagtcctgt 60
 atgacttgta aaggaaagag tcaccttacc tgngaattgt ccattccacct cataaatatc 120
 cattttttaa acaagctact taaaatccac aacagaggac tccctgtgcc gctatcccc 180
 cttgggacaa tccacttcaa tctgtttggc tggcttgctt tgctttgcta aataaactgc 240
 ttccatgctg aaaaaaaaaa a 261

<210> 139
 <211> 479
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 426
 <223> n = A,T,C or G

<400> 139
 tttaggtagc tcctccgtac atcagctgct acaccagggtg cctggaacat gagggtcccct 60
 ctgctggccc cactctggac tttttgggtt gaatcagttc tgaaatggca ggggactggc 120
 atcagccagt cctcagaaga cattcctgag cactgagttg tcgttactga atgaagataa 180
 tgtcactgga tttgctcagg gctctcaaag caagatacac agtgtcatca gcgggctctg 240
 gaagggtgggc agcgctgcct cattgtggaa gtcctcccga ggctctcttc cctgtttgct 300
 attgagctgt tctcccctct tctggcccct ggacctctcc atatttctca atcccatctg 360
 ctttagtagc tatggaaatt ctgtgtgcat ttgctgtctt cttgccgata cgttttcctt 420
 ctctgncact ttcacttttc attttcaa at gaaaataaaa gtatttggtt tgtggggag 479

<210> 140
 <211> 518
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 306, 429, 439, 448, 482
 <223> n = A,T,C or G

<400> 140
 tccagacccc ttccaggctg aggaccctt caagtccgac ccatttaaag gagctgaccc 60

- REPLACEMENT COPY -

```

cttcaaaggt gatcctttcc aaagtgatcc cttctcagag cagcagacag cagctacaga 120
cccatTTgga ggggatcctt tcaaagaaag tgacccattc cacagctcaa gcagtgatga 180
cttcttcaag aaacagacaa agaatgaccc atttacctca gaccccttca caaagaaccc 240
ttccttacct tcaaagctcg acccatttga gtccagtgat cctttttcat cctccagcat 300
ctcctngaaa gggttcagatc ccttttggaa cctagacccc tttggaagca gctccttcag 360
cagtgccgag ggcttcgctg acttcagtea gatgtccaag ccccccacct ctggccccct 420
ctcctcctnc ttgggaggna caggattntc agatgacccc tttaaaagta aacaggacac 480
tncctggctg ccttcgaaaa agcccgcctt tttcacgg 518

```

```

<210> 141
<211> 369
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 20, 322, 339, 341
<223> n = A,T,C or G

```

```

<400> 141
ggtacattcc ttgaacttcn agcaacagat ggccttgacc gccactcac cgactgcacc 60
atcgtcaaca gtggcaagat agatgtgaaa acaccctttg tgggtgaggt ccctgattgg 120
tgacagaaat ggcggaagac aggaaacaca ctggctggcc catgtgcaca tctgtgatcc 180
accagcagtc ttttagttac ttaaaagtgt tagttaaaaa aatttctcat ttaattttcc 240
agtctcgatt gcaataacaa aatcaaccac acagtcagat gtctcaacaa acacctgtca 300
tcccagattt tgggaagtgc angcaggaag atcaagggnt naaaggccag cctgggctaac 360
agtaagttt 369

```

```

<210> 142
<211> 238
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 25, 36, 183
<223> n = A,T,C or G

```

```

<400> 142
agaactgggt ctgagccctg agacnccaca tgtacnccag caggaagcta ctgcagtggg 60
gtgagacagt caaccacact tggacccaag ctgactttcc aggttctgac tccaccctta 120
ggccttccag tgcacagcta cttcctgccc ctgaactgct catacctcct tcccttaggc 180
agngctcttg atagaccac ggtactgctc accattatgt ccgactcaaa aaaaagaa 238

```

```

<210> 143
<211> 407
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 378
<223> n = A,T,C or G

```

```

<400> 143
ccggagctcg gccaagtgga tataaaaggc tagccacgcc ctggaggggg ctgtcttgga 60
gcattggagg agatggaaag ttggagaccc ataccacact tcccaacatc ctgaagaagt 120
tcaacccttc catcactgga ttctctactg gtaccctgga caacaaggca ggattaaatg 180
tggcagaaga aggagccaga gctcaggaca tgccggccca ggctaagacc ctggtgaaga 240
agatgaaaag cacacctaca atcaacctac aggaagactg gaagctgatt acactcctca 300
ttggaaacaa cgacctgtgt ctttactgtg agaatccgga ggacaactca actaaaagag 360

```

- REPLACEMENT COPY -

tatgtcaagt tcattccanca agccttggac attctctatg aggagtt

407

<210> 144
<211> 440
<212> DNA
<213> Mus musculus

<400> 144
gaggtggggt ctttcagacg gctccacggc cctgatgtgt gcatgtgagc acggacacaa 60
ggagatcacc gggctcctgc tggctgtgcc tagctgtgac atctcactca ctgaccgcga 120
cgggagcaca gcaactgatg tggccctgga cgctgggcag agcgagatcg catctatgct 180
gtactcacgc atgaacatca agtgctcgtt cgctcccatg tcagactacg agagtccggc 240
ttcgtcttca gccgaggagt gaatacaggg aggagccagt gagtcccca ggaccacca 300
gccacaagcc acgcatcaaa ccgtccctcc tccatccctc tgtcccatc tgccctcggca 360
ttcctcagcc cctgaacttc cctgaggagg ccctgacatc taccaggctc aagctcctgg 420
aagcctttcc cagcacaggg 440

<210> 145
<211> 165
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 20, 21, 45, 47, 48, 49, 51, 52, 61, 87
<223> n = A,T,C or G

<400> 145
gagccttaag gctcgtacnn nggaccgtat acctgcagac tgcentnnnc nctcgtcct 60
ntgcagagaa attcccttcg ccacatnctt ctctgccaa actgaaagct gctgcaggcc 120
attgagccct gctgtcaaag ggggtgggtgg gactgggtgg aggtt 165

<210> 146
<211> 435
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 403
<223> n = A,T,C or G

<400> 146
gattattatt atacatctgn actgcgtttc cagaacccca gctggcccga actttactgg 60
atttaaacad gaaaatgcag cagctgaaga agaggcagga ccaggagcta gcttccaaac 120
cccagagccc gcaggataag gagatgaatt ccgagtgtgg aagcgcatag tggagagtcc 180
gaggccacca ctccaaagca accctgagcc ctgcgccgtaa cagggcgctc tgaaaccctc 240
ctagcattaa cactagcgat gcttatgtgt gctctaaagg acaatttgtc cagcgaaaac 300
ttaggcttaa ggaagaagtg gggaaaaaag ctaagaaagg gggcgagact tttttgtttg 360
tttggtttta aaatgttcat tcattgggtt gactgggtat tgncttatta gtcgaaagga 420
agaagggtga aagga 435

<210> 147
<211> 143
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 38, 50, 53
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 147
 attcaagcca actactcgct gatggagaac ggaaacancg aagtgctaan canggagctg 60
 agtcctgatg gaaccatgaa ccaagtaaag ggtgaagcca aacagagcaa cgtctcagag 120
 ccagccaagc tggaagtcca ggt 143

<210> 148
 <211> 237
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 118, 126, 128, 135, 144, 145, 155, 156, 161, 166, 179, 189,
 191, 210, 213
 <223> n = A,T,C or G

<400> 148
 agatgccctc tcttaggttt agaaatcgct ggaataccaa agagcaacgc ttcctctggt 60
 gggcagctga ttcttatctg tacatgggac agggcggggg ggcagggggg ggggagtnca 120
 tacatnanga cccgnagggc ttgnnggcca atcannctag nccagncagt aagctccang 180
 atccattgng nctgtggtct tcaagagctn tgnacacca cagacataaa aataaag 237

<210> 149
 <211> 311
 <212> DNA
 <213> Mus musculus

<400> 149
 gtcaaagcac agctcgaaga ggaaaccaat gagaaatatg aaatattcaa agccgttgag 60
 tataaaactc aagttgtcgc tggagtcaat tacttcatta agatggatgt aggggggtggt 120
 tgtttcaccc acataaaagt cttcaaggat ctttctggaa agaataattt ggaacttact 180
 ggttaccaga ctaacaaaac cgaggatgat gagctgacct acttctaagc agcaaattct 240
 aaagtgacct gattcctctc attgtaaact gattcggcca tcaataaaga aatattctcc 300
 aaaaaaaaaa a 311

<210> 150
 <211> 241
 <212> DNA
 <213> Mus musculus

<400> 150
 gatgccccta gacctggatg ccctgtctcc agaagagcgc agggcccggt tccgaaaacg 60
 ggaggctcag ctccagcaga agagggaaga agagccagag gtggtggaca gttttgacac 120
 tgaacgatat aaacagtttt ggaccaagac caagaaataa gtctgtcagg gagttccacc 180
 agggacattt tgtaaggatg gagggcatct atctatttac catacgttct tgaaaccata 240
 a 241

<210> 151
 <211> 483
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 21, 33, 41, 43, 46, 54, 63, 75, 80, 82, 84, 86, 98, 109,
 113, 124, 128, 129, 142, 149, 152, 183, 248, 265, 366
 <223> n = A,T,C or G

<400> 151
 cgcccccgga accctgnttg natctcctga agngtcctgc ngncnagga aagngaccct 60
 acncgccggt gaagncctcn tngncnccca cagacggntg cccagatcng cangacgagc 120

- REPLACEMENT COPY -

```

atncccgnc accctcgccc tngaccctnc anccttctct agagaccctt agaccttgaa 180
ctnccactcc caacagcact gaccacctgt cccaccaggc ctgataaact ttaccatact 240
tttcagcnaa aggtgacaca tggangctct gaccaacctt atccatctac aacaaaaagc 300
ttgcatgggg aattcatgtt ttgtgccttt gagatcaact ccttagcata actatgacaa 360
aattgngatt taaactgatt aaatatgaga tcagggtgaaa gtaatagata caaagtagaa 420
tcagcaacca aaatgctctc attttttaata agccatgtaa taaaattcct attatcttca 480
taa

```

<210> 152
 <211> 310
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 87, 157
 <223> n = A,T,C or G

```

<400> 152
gccccaaaga agctggaagc acttcagaag cacagactgg gggagctgcc agcccggacc 60
ggggatgaga acataacacc ttaactnccc attccccctg caagcgcccg tcctggacaa 120
cgctttgccc gcctttccct ccgagatcaa taaccgnacc ctgcaccctc cctccgggga 180
actgattaga acaaccggcc ttcgctcctc gggtcactaa attctccact tcgacctttc 240
ctccccccca ctccccgaaa gcacgtgcaa aaacgggtaa aacgggtcttg gtagctggca 300
aaaaaaaaaa

```

<210> 153
 <211> 397
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 161, 164, 171, 177, 180, 202, 207, 209, 228, 231, 236, 237,
 244, 272, 273, 286, 290, 293, 295, 321, 340, 345, 350, 359,
 377, 378
 <223> n = A,T,C or G

```

<400> 153
ggcaggctgt agcgccacca ggctgcctgg tgacggggcag acgagcaccg gagacgcctc 60
ctcgcaagag cctccctcgt accctcccat ccaggctcatc caggccagag tgtcttccag 120
cagctcctct gaggtctcct ccataaactc ggacctggag nggnaccctg nagatgnan 180
ccttgaaagg aaaaaggacg gngaacnnt tagagtgcag gtgcgcangg nctgtnnag 240
ccngtgat ttggcctctg atgactaaca tnntcgggag ccaagncatn agntnggaac 300
tcaaagtcgg gagtctgtca ntgactagat ggggaccaan ctatnaggcn acccaggtna 360
ggaatggaag ctgctannga cactcctcag ggagtga

```

<210> 154
 <211> 343
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 32, 33, 87, 107, 118, 135, 137, 155, 159, 166
 <223> n = A,T,C or G

```

<400> 154
aaggtcagaa caacancaac aacagagacc tnncagggttc tcattctcat tgcttaaacc 60
accagaagc atctttggcc tattagncaa gcagcaagat ggcttgnaga aaagaatnca 120
tatcatatac gaacnantgg agccaggctc caaancctna actttncaca acccctggag 180

```

- REPLACEMENT COPY -

cagcagcagc agcccgaggg ccaagcatcc agagcactaa ataattaagg tcagaacaac 240
aacaacaaca agacctccca gggtctcatt ctcatctgctt aaaccaccca gaagcatctt 300
tggcctatta gtcaacagca agatggcttg aagaaaaaaa taa 343

<210> 155
<211> 120
<212> DNA
<213> Mus musculus

<400> 155
accacacag tagcaaatga accaactctg acctccctc tccccctccc ctctccttcc 60
cctctccagt agtcactcca gagacaccca aaataaaaaa tttaaagtga aaaaaaaaaa 120

<210> 156
<211> 120
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 60, 92, 96, 99
<223> n = A,T,C or G

<400> 156
cctctcttag gtttagaaat cgctggaata ccaaagagca acgcttcctc tgggtgggcan 60
ctgattctta tctgtacatg ggacagggcg gngggncang ggggggggag ttcttaaact 120

<210> 157
<211> 356
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 197, 337
<223> n = A,T,C or G

<400> 157
gcaaggtgag aaaattatct tggagttcct gtcgaaggct ttgcnnggtgc cctttactgc 60
catgtcggag gagagcatct ccgcgaagct gaagcaactg aaagccgagg tggtcgcaaa 120
gaacaacagc ttcgtaaacg agatcatttc acggataaag gctccggctc cgtgagggga 180
cagtgggtgg gcgtgcncgg gggagctcac ctttactgtg tgctgttctg ggtagtgtc 240
cccactggaa cctggcctag cagcatccgg aagtgttttag tgatgcttga aacattacc 300
gtctgtagct gggcgctgtt taaatgggga cgggcanctg tgagcactat gctgaa 356

<210> 158
<211> 152
<212> DNA
<213> Mus musculus

<400> 158
agcagggatt cccaaggatg aagccttcag cggacgcttg agccccccga gcccacaaca 60
caactgtacc ctgttacttc tgcttcagct ctgacctttt ccgtcctctg taaatacaat 120
aaaaccccca ttctcatctg caaaaaaaaa aa 152

<210> 159
<211> 572
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 537
 <223> n = A,T,C or G

<400> 159
 tcctcctgat ctggaagaag ctgccaaaac tgaggctgag aatacgatca cctactcact 60
 tctcaagcat cccgaagccc tggatgaaga aacagagcat gattaccaga accacattta 120
 gtctcccttg gcattgggaa aagcaagcca gaaaggccag gatctagtgt ctctgggtcc 180
 aagggatgct gtagatatta aagaaaacat ccagagtcac ttctgtgagt cctgaaacca 240
 acagacacta agagattggg tcccagtggt tgactgtact aatgactccc ataacttaca 300
 gcttcccaac tcaagactct tctgctatcg atccacactg ccactaaaat taatcaactt 360
 actgccgtta agagactgca gcaacgtggg aactgcttat aattcacgct aagataagga 420
 gaacaattaa tgttaggatg catcatctcg gtgatgataa accagacttg taccaacctg 480
 tcaaagggtga tgcttcttta taaggaactt caattttttt tatttttcta taaaggncgc 540
 atggtacttt aatagtaaaa tgttgtaaaa ac 572

<210> 160
 <211> 207
 <212> DNA
 <213> Mus musculus

<400> 160
 aaagggttata aaaagaaccc aacctctaaa cctgggaaga acagtgcctc agaggaagac 60
 catctgcctc ttcaggctct ccagtcaccac tgacgggtcca gatgcggcag cagcaggctg 120
 gcagggtaga gtagggaatt ttgccagcca caccgagggc tactgaattt tgggtggaaat 180
 ataaatatatt tttgcataaa aaaaaaa 207

<210> 161
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 161
 ttaaggaatt atcctctagt gaagtttccc tgtgaagact caaatctgat tttctgagca 60
 tttctaccca cagctggaag cagagctgga tattaaagga gctacctctg aaaaaaaaaa 120
 a 121

<210> 162
 <211> 167
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 33, 34, 48
 <223> n = A,T,C or G

<400> 162
 gactgagatg aggtcagcaa gacccagana gcnnctggg tttgaccnga ccacaagccc 60
 ccctgaagat gtattctaca aaccgggca gctgggtcac ctttgatgat gaccctgctt 120
 ttcaatcttc tcagaaaaga aaggattttt ctctggaaaa aaaaaaa 167

<210> 163
 <211> 320
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 100, 140, 153, 181, 193, 209, 248, 252, 257, 265, 267, 271,

- REPLACEMENT COPY -

275, 277, 281, 295, 296

<223> n = A,T,C or G

<400> 163

```

ggagccggtg tggcagcagt accaagatgg tgcccaggac tgaagctaag tcttatgact 60
tgtatctgac ttcttcatac acctgaaagt aagccacgan catcgtgtga actgcgcagg 120
tacacatga tgcaagatcn gaccatatga cangtgatga ttctggctga tggactgctg 180
ntacatggac tngngctgatg gggcgtggnt gaggggttgt ataagggtatt gcaattggcg 240
gcgaggnga angaaanatt actananaga ntgantnctg nagaaagatt cctgnntgca 300
tggtgaaagg ttcctgaata                                     320

```

<210> 164

<211> 476

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 459

<223> n = A,T,C or G

<400> 164

```

actgaggttg agtgaggatt tgccatgtcc caggcattag cctgagtga acaggggaagt 60
cgccctctca ggaactgatt tgagaccccg agactccctt ccatgatgct ctcagccacc 120
atggaaacac cggaagcctt ctgtctgcca agccctgacc tgggcgctag ggagactgat 180
gaattgatcg gacatgacat tcacactcca gtaggctggg agagcatacc tgaggaactt 240
aacacagtct gcagacttac tggagacggt ctcatgtagt ctaggctagc tatggacttg 300
ctttgtaggt acagataggc ttgattttcc cccatttttg agacatgggc tctctatgta 360
acccttggtc ctcttggaat tctctgtgga ctaggctggg tttgaattta cagaaatcca 420
cctgcctctc tgcctctctg gtgctgagat taaaggtgng cccaccaaaa aaaaaa 476

```

<210> 165

<211> 450

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 39, 58, 82, 83, 107, 118, 128, 129, 160, 162, 175, 186, 200, 202, 208, 211, 226, 259, 274, 285, 289, 309, 317, 318, 325, 329, 339, 346, 355, 357, 366, 368, 373, 388, 390, 392, 403, 410, 412, 415, 424, 426, 431, 434

<223> n = A,T,C or G

<400> 165

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agtaatattc attatgactc agggatgggc tctaacttnt ccttctgttg gaggtcantt 60
caggggtagc gtttgcctaa tnnttagcgg gggaagatgc tagtgcncaa gatctgcnat 120
gtacactnnc ccctggactt catcgccagc aaggggagtc anctgggtgc catcngggcc 180
taaaanattg tggatggccn tncccganac nacctgggag tgatcnggac catcatcctc 240
agatctgcca ttccacgant tctctgtgga atanactctg cttgngacng accctcctct 300
ggtgccatna taaatanncc ccctntgana agcgtcacnt ccccancttc cttcnngct 360
ggaaangnca ggntggcctc caatgctntn tncctccggt ccntgcctcn anttnatttg 420
agtntnataa nctntcgtaa cggattaccc                                     450

```

<210> 166

<211> 429

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

- REPLACEMENT COPY -

<222> 127, 211, 217, 232, 234, 246, 394

<223> n = A,T,C or G

<400> 166

```

ggtcccagac agcatggggt ctcgggttctt cctgggtcta ttcttggtca tcctgatgtt 60
gggaaatgag gtccagggga accaggaaga tgactcgggc agcctggctc tgctggggcac 120
ggtgcanggc tccctcttaa gttactggac ctctgccaaag gaggttgcca aagacctgta 180
ccagaagaca taccgatca gcatggatga naaattnagg gacatgtaca gnanaagctc 240
ggcggnccatg agcacttacg caggcatttt tacagaccag ctcttactc tcctgagggg 300
agagtagctg ccaaagcaag cccaagtta ggggaaagga aaacctgatg acagacaccg 360
cgctcttttg ctcgcgtcac cagaccagga tggncctaca ccacctgtc ccaactgggtc 420
cgctttctg                                     429

```

<210> 167

<211> 106

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 31, 32, 50, 67, 84

<223> n = A,T,C or G

<400> 167

```

aaattcttgt ggataaaaca cncaatggat nntgtaagga agcagcctcn cgcttacgct 60
tcccctngcc cagatctttc ccancatggg aaatatcctc cctctc          106

```

<210> 168

<211> 286

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 96

<223> n = A,T,C or G

<400> 168

```

gactgacgct acttggcctt tgagctatga caaagacaac tgtgatgtac aattccaccc 60
agagatactg cacctacagt gtggtggatc ggaagnaccc aggggaagacc tgcgagttg 120
acagctggac tatgtaaagt tgcttcgtgt gggcccaaaa gtggagtaac atttgaacct 180
tgtatgattt aaatttacca atcataagct tgcaaggagg tgacctgtaa tcccagcact 240
cagaaggcag aggcagcata tcttgaaaaa ctcaaataaa taaaaa          286

```

<210> 169

<211> 419

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 31, 35, 47, 199, 269, 294, 340, 343, 368, 371, 391, 398, 403

<223> n = A,T,C or G

<400> 169

```

cgacctactg ctcaccgccg tcgncaccag ncgtnccggca cctccgncac cactaccagc 60
acccccaccc cagccacagc agccccactt cctcccacca ggctacctct ctgctctcca 120
cttcttgcca ccgccgccac cgccaccatc tccaccatct ttctcgtga cctacgatac 180
agacaaggag aataccaang accaggatgc agaagcacc accgagccca gccaggactc 240
tccccaggag cagtccaact aagctgcang ccacctggaa ggccaccggg tggngacggg 300

```

- REPLACEMENT COPY -

catagatggc ggggggttatt tttttcacca tggatcatggn atnattagga agaaagggat 360
actgatangg ngtaagaagg caggcggaat ncctactnca ggntagaaag ggcacaagg 419

<210> 170
<211> 567
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 338, 456, 494
<223> n = A,T,C or G

<400> 170
acaccattca agcttgcaga ggatctgaca agatgaagcc cagacatgca cctgaaggca 60
cgggaggctg ctgtggcaag aggaaaaact gctagatcta cggccagcgc ggagcccacc 120
gggctcaaga ggggtggctaa aggacagtca cagaggcttc ttagcctgct cttcgccagt 180
gcacagatta tgtgaagggtg gcaaagccac cacaagctag accactgcta agaataagag 240
tgacttttag aggatgttaa ttgaagggtc acagcaaata gcctgctttt ctatttctct 300
atctcagagt tctggtgcca cctagtgggtc agaagtanaa cttggaagcc caaggtttac 360
tcaaagggcc aaaggcatca tcaacgttgt gagaattatc ttccttcttg cctaccacag 420
gacacctctg ggttcttctc tgtgggtacc aggaancaca gtacttacta aatttatgct 480
aaccatgaca aanattgtc actccaaatt tgctaggaat tattctttag gttgctgtct 540
gcaatttttt tctctgtact gaatgaa 567

<210> 171
<211> 239
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 23, 79, 171, 198
<223> n = A,T,C or G

<400> 171
gtggcaggaa gaggantagt gcnggagagg agatggagag aaaactgggc ctgtcctgtg 60
atgcacttct gccagcaang ccacgcctcc cagtccctga agtgtcactc cctgaagatg 120
aagcattcaa atatgagtcg atgagagcca ttcttgttca cgtcgccata nttgtggagg 180
ttggacccag cactcaanac tggtataaag aatttttgct ttgggtttta aaaaaaaaaa 239

<210> 172
<211> 279
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 93, 189, 193, 206, 211
<223> n = A,T,C or G

<400> 172
tgggtccaaac aatgcgggtta cggagcgcgg ggtggcgagg ccagagggtca gatccagaca 60
ccttatgtac tcgagatgct acctgaagag tcnatgatca gcctcggatc gatcaactct 120
ctccagagca cggatgatctg agggaaaaat acaaaacacc acacttaatt cattcttgac 180
tccacgtang ctnaaaacta tggatnagtt nagcaagttt ctgtgaagaa tgggttagatg 240
atgaaaatac tttcaaagct gataaaactg agtttaatc 279

<210> 173
<211> 631
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 113, 193, 311, 334, 339, 381, 509, 528, 560, 582, 595, 599

<223> n = A,T,C or G

<400> 173

```
tggacctgag cagactggaa gccangatgc ggctctggat ggcatcaccg tagctgtgga 60
ccgggcaacc tgaatgtgga caagcaaaac ggcgtatgaa aaaactgatg tantggggca 120
agctgtaaac agccaccctt ggcattggctc tgctgattct attgctatta gcccttttcc 180
tttcccctga gancgggaag ccattctggg tactgtgaaa ctatgaagcc ctacctggga 240
atacaccttc ctaggatggg ccaggagaag ccacaatatg catgaacatg tatgtttccc 300
ggggccctaa ncatgaaggc catgtcctgt tcangcaana atcgccaccg tagcgtagcc 360
atccttcctg tccacactga naaccggcg ttgaactgcc attgtggcat catgttgtca 420
catcatattg tcatcttttc accatttttg ccaaacagta aaaaaaatg tcagtcattc 480
tgggtctggc tctgccatcc acttgccana aacatcaatt ccccttcnaa tgctgctgtc 540
ccccctgcca cttttcctgn tcatcagtta aaattctgtt ancaataacc cctgntttnc 600
cttcctaaaa aatgtttatt ccaatgaatt t                                     631
```

<210> 174

<211> 723

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 36, 47, 48, 50, 63, 68, 76, 88, 98, 102, 112, 127, 130, 137, 146, 150, 157, 161, 164, 172, 179, 224, 227, 272, 284, 417, 421, 469, 482, 535, 540, 547, 562, 589, 593, 594, 598, 605, 608, 611, 618, 622, 624, 630, 646, 652, 656, 667

<223> n = A,T,C or G

<221> misc_feature

<222> 672, 686, 692, 696, 700

<223> n = A,T,C or G

<400> 174

```
cgggccttaa tccaacntgt gtatcctatg aggtcngtgg ctcaatnncn gtgtgtcccc 60
aanggacnct cctgtnactt tgccagtnca tttctatnag ancggacacc tnttggtctg 120
tgtgtcnacn gcgtcngngt tgatantgan ccttcancat nctnctcatg cncctatana 180
ttcaccattt ggactctgtc actaaatcac ataagataca gtanccncat ttgctattca 240
atcctaagcc attttgcaca cctgctgggt tnatattttt aatnttattc aatttttgtt 300
tttgtttttt aaaacaaaat ttctctgtga agctcttcct gtcctgatag taggtataga 360
aaccacataa gccagctgac atagttttgt gcaataagca tatagttttg tgcagcnttc 420
naccacatct ttaattttga aaattgggca aatatatagg ttatattcna atttctaagg 480
anggcataat tcataacatc aatgctatcc aaggcttcaa aatcattgga atgcntggtn 540
aactaantct tttgggttgt cnaaaaaatg tgaataaatt ggaattttng ccnntgtnc 600
tgganatnat nacatatntt cncncccttn agaatgtcac aaaaanactc anaacncccg 660
aactccngta anggtatttg ttgaanccca tncttnccctn aaattgaccc ccttgaagaa 720
aaa                                                    723
```

<210> 175

<211> 653

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 452, 462, 463, 506, 508, 578, 585, 591, 595, 607

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 175

```
agccagcaat aataattaca atcactgatg ggagcaagtt gactactact agtgggtgtc 60
cagggatgaa gcttcattta cctctgaatt cgccgttgcc tggaaagtga ttgaccaagg 120
aacctttttcg ttgggatcag agactatttg ctttagtgct gcggttgccct ggcaccatgt 180
cgggtggaatc agaacagttg acagggtgtgc ctttgatga ttctgctatc acaccaatgt 240
gtgaagtgac aggaggccgg tcatactctg tatgttctcc aagaaatgct taatcagtgt 300
ctggaatcct tgggtgcagaa agtacaaagt ggggtggtaa taaactttga aaaggcagga 360
ccagatcctc cccctgctga agcagaaggg cagccagata tatcaagacc ttttgatct 420
cagccttggc atagctgtca caagctcata tntgtcagac cnnatcctaa aactgggggt 480
cctataggcc attggccctg ttccanantc tttttggcca gatcagaatt ctccaacact 540
accacctccg tacatctcac ctgtagtgaa attttccngt tccanactgt naccnatggt 600
tattgancaa ttcgcctttt gaacaatata atttgaacct tccccctga ctc 653
```

<210> 176

<211> 228

<212> DNA

<213> Mus musculus

<400> 176

```
ggaatcaact gaggtgccct acggaagaac aggctgaaaa caaaaccgga ctactactga 60
tgcagcagct acttggctgc acagcgagaa ataaacctac agaattgttca aggaaatatt 120
gctaaaatat ttttgtaata tttgatattg aatcattaca tttagtcaaa aaattcagat 180
ttctagaaaa tataaagttt ttttttgtcg attcctcaaa aaaaaaaaa 228
```

<210> 177

<211> 520

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 206, 265, 276, 303, 328, 331, 332, 348, 350, 353, 391, 400, 416, 421, 440, 454, 456, 465, 472, 479, 488, 498, 501

<223> n = A,T,C or G

<400> 177

```
cagcctgggg ttcatctcag ggataccatg tggcacagct gacattttta aacgcaaattg 60
atccttttgta ctttcataag ttcatcagtc ttttaaagag gatgctgaaa tctttttttc 120
tgatcttcag attagacagt catgttgcta tgggtggttg taagattcta acagcagtgc 180
aat ttgaaaa caaacactgt gctcanggtg tttttcagca cacaccaa atcccaactg 240
tcttaaatggc ggctgaatcc caaanaagca attgcnatg cacattctcc ttggcattct 300
tanctgggtt ttaagcggat tat ttacnac nnaatttcac cagaaaantn tcngttggcc 360
ttgttgaaatg cagctttttt ttgaaggccg ntggaccctn ctcttttctc tgttgnaacc 420
nggataaggg gccgccgtgn ctggtcccaa atcncnctg ttacnctggc gnttccaana 480
atttcccnct ggtaaggngt naagcgccct gtcccttccc 520
```

<210> 178

<211> 403

<212> DNA

<213> Mus musculus

<400> 178

```
gatggcctgc agtggaggga acattcggaa agcaccgact tatccttaac aagcaacaat 60
aaaaagccac taccctgtca tggaccgggg agacggctca atgggtaact cgtgcacgat 120
tgaggatctg aactcaagtc ctgagaagcc acgaaaagcc ggattcaaaa gcattcacat 180
ctgtaattcc agaggctgtt tggggagaca ggaggcacag acaggacagt ccctggaagc 240
cagtgggtca gcttgccctg tgtacacagg ccaaacaaga gacggctgtc ttaaaacagg 300
agcagccctg atgttgccct ctgaccttca cacccttgt gcttgcat ta aaatatgta 360
ttttatttag aaataaaagt atgcgtactt gagaaaaaaa aaa 403
```

- REPLACEMENT COPY -

<210> 179
 <211> 497
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 36, 56, 62, 84, 89, 95, 98, 99, 104, 105, 107, 127, 130,
 138, 157, 159, 161, 162, 169, 178, 197, 200, 213, 217, 219,
 222, 232, 238, 245, 249, 259, 261, 265, 269, 272, 279, 280,
 293, 318, 372, 387, 397, 399, 401, 443, 453
 <223> n = A,T,C or G

<400> 179
 gagttcctac attctcanga tcgaagacta catctncccg aaaacctgaa tggctnttgt 60
 tnccactgac cagtcttccc tctnaatgnc gtggnacnng tccnntntaa gataccacat 120
 ccttctnatn agttcatnat gagtgggtgc ctgttgntna nnaagaatnc ggaactgnac 180
 cccaacacca aataganaan atctcagact gangatnant tnccagatag tnatgagnga 240
 tttanggan ctcacaaanc naacnactnt gntgactcnn aaaaccttcc canaagggcg 300
 tcatcgggtg gcttccantt tcctttctcc cattccccca gtgctactaa tggactgtca 360
 gtacccacgg tnagtctgta tgagtcngac gcccancna nttctaattgt ggctcttcca 420
 aaactacaag cctgggtaca tcngtgacag ccncaaaggg aaatttggtt ggcttggtta 480
 actatcccga tgatgaa 497

<210> 180
 <211> 106
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 48, 82
 <223> n = A,T,C or G

<400> 180
 ccaccccctg gaagctctgt gtcttnctag ggacagtggc acagtctntt ggataatgtt 60
 gccttgga aa cttcccgtg tnttaagaat ggaatgtgtc agtgaa 106

<210> 181
 <211> 141
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 82
 <223> n = A,T,C or G

<400> 181
 tgttttgagc gagaacatcg cgtcttcagg gaactcggga ctggcagatc ttcagtgtga 60
 agtgcacacg ccatcgagcg angtttggag gcatacggag gagggagctg cttcatacag 120
 tctacttcaa gtaaaaaaaaa a 141

<210> 182
 <211> 213
 <212> DNA
 <213> Mus musculus

<400> 182
 ggaagatgaa aatgaagctg aaaagaaaaa cgcattctcag gagctcagca tggagcagaa 60
 aactccaaag aagtaaagga ttgtccagtg tgttctgaag cgtgtacaac ttaggctcaa 120

- REPLACEMENT COPY -

gcagataacc gtttctgatt tataaaatgt taattgtaaa atctaattta caaaactggt 180
ctcaataaag tccttgaaat aggaaaaaaa aaa 213

<210> 183
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 25, 27, 37, 39, 50, 54, 55, 78, 84, 89, 91, 94, 95, 98,
103, 108, 114, 122, 139, 228, 242, 245, 273, 294, 296, 357,
372, 393, 394, 402
<223> n = A,T,C or G

<400> 183
aaagttcaga tcaatacnac acgtnantca ttatctntnt ccgggtcttn gacnnagcca 60
tccggctctc ggatcatntt gtancaccna nacntcncc acnctgangg cggntcgcta 120
cngcccccta acggggggang gacgtaatta catccctggg ggctttgggg gggggctgtc 180
cctctagaac cccatcctca ctgactccgt cctggagttg gatgaaanac aatggcctta 240
cnttntgcca ggggaggggtc gggctggatt tancaaaatt taccttctcc aaanancggt 300
gctgcagtgg cacagctgcc cacggaggtg ggggggtccc cgtccctgga ggtgatnaaa 360
aatgtgggga tntggcactg agggacatgg ccnntgggca cngtgggtgg gttgggggtg 420
gtcttggggg atcttggaag gttcccgggg atctagggat ctaggga 467

<210> 184
<211> 241
<212> DNA
<213> Mus musculus

<400> 184
ttgcagggtca aagacagcga gaagggttcag aggaaagcga tcccgtgcca ccttccccgt 60
gcccgggctg tcccgcacg ctgccggctc ggggatgcgg ggggagcccc ttcattctgcc 120
tccctttccc accatccacc cctccatttt cttttcagaa aatggctgaa aggcgaaagg 180
ctggctctac caccaccacc acccacacac acacacatca accagccatg acatatcatg 240
t 241

<210> 185
<211> 167
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 36, 130
<223> n = A,T,C or G

<400> 185
gagtgtgcta tggaagccan aagagggcgc tagatncctg gaacggagtt gcaggcagtt 60
gtgagccacc atatggtgtt aagaactgaa acctgggtct tctacaaaaa acaagtgttt 120
tgaaatgctn agccatctcc ccagtgccta cattaaaaac aaaaaca 167

<210> 186
<211> 200
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 21, 42, 46, 47, 51, 66, 88, 89, 96, 102, 132, 158, 164
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 186
taggcgattg tacaatcngt nacacctgta gaggtggagc tnaccnntcg nggttaaaga 60
gcacanaacc cttcctggaa ttcctctnnc ttacantaaa anctgggcct gtgattctac 120
cacgtgtctc cnttcccaaa tgcaaagacc cctgcatnca gganattctt ctgaataaat 180
gcttttttgct tttgcatact 200

<210> 187
<211> 352
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 29, 42, 60, 104, 205, 225, 240, 300, 303, 323
<223> n = A,T,C or G

<400> 187
aggtgcaggc cgactggact catgangana aacccatctc cngaccctct actgacaccn 60
aggggcatgg tgacagtgca gagccaggga accagagtcc agtnactcct gccaaccatg 120
gaccctcgac ctctgtgtgt gtcctgttat ccagaactgg gccacagagg tttgtagagc 180
ctgggacagg gacacaccag agctnaggcc gcattgcttt tgtcnaagtc tcctcctctn 240
actggtttca ggaaatcaag aagtttgaat cacatactca ttttacttga aattatgtcn 300
ctngacaact tatatttttg gantcttgag attgtttttc tcttttctta tt 352

<210> 188
<211> 962
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 610, 648, 673, 686, 715, 716, 717, 720, 738, 760, 777, 779,
792, 795, 806, 828, 836, 837, 844, 847, 848, 853, 854, 857,
859, 863, 868, 875, 876, 880, 889, 896, 897, 908, 922, 934,
935
<223> n = A,T,C or G

<400> 188
ctgagatctc tgagaagtac ggcctccccg aggagaatat ttgcaaagtc tacaagaaat 60
gcaagcgagg catcctgggt aacatggaca acaacatcat ccaacactac agcaaccacg 120
tggccttcct gctggacatg ggtgagctgg acggcaagat ccagatcatc ctgaaggagc 180
tatgagggcc cggcctcaag cgtcccacac ccggggcccg gctcaagcca cgtacaacct 240
cttctgtgtc agctgttact tgaaatgcct ttctttggga aagaggtctc gcaagcaacc 300
aactcgggtga tgtccaagcc agggagagac caagaagggt ccaggatcta aatgtcccac 360
ccaggctcga actcactcca gagcttcctg aaagcaccca gccacccgga gagtctgagc 420
aacacagacc caactgcctg ctttctcttc taagtcccg cgcagaggcc cttacagggg 480
acgggggtca caccaccttc tctgcagggc tacacccgct gtctcgatcg gttctgacgt 540
tactgggttc ctttctacca acttttagacc agagagttct cacacttttg gccaataact 600
gaaaactcgn gactttttaca gcagatgcct ttgtgaaggc ccttgganaa ggaaaacttt 660
tcttaattgg acntttcttc gggcancaaa gaatgtaaag gtcacccatt caatnnnaan 720
cctggaccag gggaaccnaa aattaccctt tttggccaan cttaacctgg gttgggnanc 780
cccaattttc cnttnaattt taccanggtt ttttccaatt ttattggngg gaattnnntt 840
attnatnnat tanntantna tgngggtnaa aggtntntan ttaaatttna atgggnnccc 900
ccttttttnat tgggcccnaa cnattttttt gggnnaaatg ggggtcccca ttgggttaaa 960
ca 962

<210> 189
<211> 163
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 19, 25, 26, 28, 69, 85, 87, 113, 115, 121, 126, 142
 <223> n = A,T,C or G

<400> 189
 tgtactcttt acctcctgng cgacnngnat tccgcgaatc gacataggct tcattacggt 60
 gggactaanc gaccttgaat ggatncnagt gactactacc agatggaacc gancntgcta 120
 ntcttngttc acgaagactt gnaatgtgaa gaccttttga aaa 163

<210> 190
 <211> 427
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 157, 239, 278, 293, 333, 362
 <223> n = A,T,C or G

<400> 190
 ccagtgtgga gactccctct gctgaccaga gtgaatccca ggctccgact ggtctgcctt 60
 tctctgcagg agccggagct cccaaccctc cacaagcatc tgctgcttcg tcttgatgac 120
 actgcctaag gtggccccaag agtttccagg accccanaca ctggagtggg gaatcctgcc 180
 ccactgtgat ttctagttat tctgggtgtc gcatgccttg gagacactga aaacggcana 240
 tcacagcatg ataatgggtg ttccctccaat tgggttanaa cacctacact canaggtgac 300
 cctccctgag tgcttggggt ctgccttgtg ganaaagcag gacggagacc ttgcccctta 360
 tnattgattg tattgtgata ggcccttttg gctacaataa acttctctga ggactttcaa 420
 aaaaaaa 427

<210> 191
 <211> 397
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 372, 374
 <223> n = A,T,C or G

<400> 191
 cgggcttccc aaggaaagcc tctaagaaga gcggatgccc tgacctcgct gccaggaaag 60
 aaatggctat gaaaatgggc tttgaggaat caagaactca agcatgggtt gagaagcaat 120
 ggaccctaaa ttctgagcat agagaagagc ccatgagttt atcaagacat ggcacaaatg 180
 aggggacacc cccagccact cagtggcagt acctcaacag agtcaactccc ccagtctggt 240
 gtctcccttc ctctaattccc tgctgggatg accacgcate cctacctgcc cctcttagct 300
 cgcaggcatt tgttccttgg gatccctctt ggggtctttg ggagccaagt gccaaagcct 360
 gcgatcatgc anancccata aagcttgtca gcaaaga 397

<210> 192
 <211> 141
 <212> DNA
 <213> Mus musculus

<400> 192
 aggtgcttgg ccctgcgtga gaaagcaaga gatccacagc ggctgttact gttacggagt 60
 attggactca catggcttct ctgacccaca accttccctg gaaataaaga gccccagctt 120
 ggagtttcat taataaaaaa a 141

<210> 193
 <211> 159

- REPLACEMENT COPY -

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 83, 84, 86, 87, 89, 102, 119, 129, 130, 136, 143
<223> n = A,T,C or G

<400> 193
ggtaagtctc gaaattcgat atcaagctga tccggaaccc ttagtataac ttcgtataat 60
gtatgctata ctgaagggtg tcnngnncnt ttgacctgca gnctcaagct agcttatcng 120
agacccgtnn acctcngacc tcnagaagga gcgaggga 159

<210> 194
<211> 149
<212> DNA
<213> Mus musculus

<400> 194
aagcatagct actcagagag tcgtccctcc aaaggaactc ttccgcgtga agcccatctt 60
ggtacatctc tggacacgac tgccccagcc actggagtac tctagccatt gtcccatcct 120
gtttattaaa acgtttgaaa agaaaaaaaa 149

<210> 195
<211> 114
<212> DNA
<213> Mus musculus

<400> 195
ggacaaaaga atccgagtgt ctcaaccctt gacaagagga ccaagtgcct ttattccaga 60
gaaggaagta tggccatttg tttttaatac attatctagt caaaaactaa aaaa 114

<210> 196
<211> 121
<212> DNA
<213> Mus musculus

<400> 196
ttgatgcttc caaagcattg aggaagtcca taaagaaatc cgtgcacact ctgaggacgc 60
catccgaaac gctgcacaga ggccactggg ggagctatct taaataaatc agtttccatt 120
g 121

<210> 197
<211> 171
<212> DNA
<213> Mus musculus

<400> 197
aatatagtcc ctacagcgtc gagagacgga ggtctacgcc tgtatgaagg aagagactgg 60
aagccctgtc ttcagccaaa gccagccac caaggagaag ctgaatagat ttgaggatga 120
caacgaattt aaccttgtct atgaaaatct ctagaaattc aaaaaaaaaa a 171

<210> 198
<211> 154
<212> DNA
<213> Mus musculus

<400> 198
actttagggtc tccgaagaag atatgggcac agtgacaaga ttctacctgg actgtggtat 60
gataaccact gagaaacact gtcctattgc cttgcccact gtcaaagctt ggcctacact 120
gtggataaat agaggctacc cagagaaaaa aaaa 154

- REPLACEMENT COPY -

<210> 199
 <211> 119
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 38
 <223> n = A,T,C or G

<400> 199
 tggttcattgc tgactcggcc cttganataa atctggnac agcatccagc cgatcaccta 60
 ctggctggcg aagggcacca agaattgatt gtttgggggg ggcgggggag gaatggtgg 119

<210> 200
 <211> 154
 <212> DNA
 <213> Mus musculus

<400> 200
 cctgcgaaac gactgggtga ctggccggag gatgtggctg ctcttggttc tggctaccct 60
 tgtgtcctct gggaaccca catccctgtc agccagccca tgccccgcca gctcatggag 120
 ctcaaagaaa taaaatgaaa aacaaaagac tcag 154

<210> 201
 <211> 460
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 36, 46
 <223> n = A,T,C or G

<400> 201
 cttgtgcttc tggaacgcct ccanccttttc gtcccntgct tcgatnagat ccccatcatc 60
 ctctcaggctc ccagtctctg agaataaccc ggaagaactc cactatgctg ctctcaactt 120
 ctccccgctg agactgcagg agaccagga tccccagac acctattctg attacacaga 180
 ggtcagagtc cactgagggt gtccctggggc ttaggactga gacctaaatg gtaaagtagt 240
 taaggagacc tccaaaagaa agcagatgct ctcccttaaaa ataatcctgg gggtaggggg 300
 tgttaaatat gtgtgccacc aagcttgatg aactcttaga ttgatcccga ggaccgcat 360
 cgtggaaggg acctcccaca aactgacctt tgactcccca catgtgcact gtggctcatg 420
 cctatgcatg cacatacatg taagttaata aatagatgtc 460

<210> 202
 <211> 151
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 135
 <223> n = A,T,C or G

<400> 202
 cactggcctc tcatccactc actgactctg ggggtgtggtt gaaccatttg agggcctgac 60
 tctccctttt gttatctcaa gttggacaaa agctgctgtt gtgaacttag tctcagggtg 120
 caatatcctg tcctntgccca ccagagagtt g 151

<210> 203
 <211> 247

- REPLACEMENT COPY -

<212> DNA

<213> Mus musculus

<400> 203

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aggggggaaag agatggcgat atgctagcga ctggcgcacg cggagcgagg gcaccgtgga 60
accgccgacg ctcaggatcc ccggacaatc ctgtgccttt ggcgggtgtgt ggagcgctct 120
cgacgttaaa gcccagtaaa tagacgaagg acttgtttca atttcaactt cacaaggatc 180
cctttctaata cactcctttc ttccctgatt ttttttaatt aaaaaatata gatcaaagta 240
aaaaaaaaa                                     247

```

<210> 204

<211> 163

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 22, 38, 86, 99

<223> n = A,T,C or G

<400> 204

```

ttaatgagca cctgtccent tntgccaatg agcctgantc tgaggaagag ctgcagcaca 60
ccaccagaag ttttttggtg catttntctc tatggagtnc tgacaaatga agctcaatta 120
cacaacgtaa ggtgaaccaa tacatgcact gttagcgaag act                               163

```

<210> 205

<211> 582

<212> DNA

<213> Mus musculus

<400> 205

```

gattacgacc tttcaagatg agggacttta tcaaccaaca agctgacgct tatgtggaga 60
agggcatcct cgacaaggaa gaagccaacg ccatcaaacg catctacagc agcctgtgaa 120
aatggcgggc agcttgagcc ttctgttgt tccagcaaaa acaatatagc ttacaaacta 180
attcggcggt taaagggtta ccagcccaga agtattagga tgtgctgaat ttatagtagt 240
taatccctta gaaatgagta aaatagagct ctcttgccat aaatacctta tgaaaagcaa 300
agctgtagag aagccgaggt ttttctatat agaatcctta tttcctcttg aatttacatt 360
ttgtaatcag agatgtgctg ctctggaaaa gactctaata ggttgaacat aagtctgaac 420
ctactcccca ctgtcctcag cccctgaag ctctgagagg ccctgtctcg gcatgctaga 480
cacctgagca cctcactgga tgtttgtcat aggatgtcgt ttccactagt cgatctctgt 540
tgggcacgga aataaaccca cgtctcttca tatecttgaa aa                               582

```

<210> 206

<211> 173

<212> DNA

<213> Mus musculus

<400> 206

```

ggaacttctg ttgaagaact tcgtggaagc tctccttggt aataacagaa ggctgaaaca 60
acccaagat ccattcgaag aagatggaga agcatgttat aatccatcta gatggcgga 120
tattacatag cagtaccaat agataaatat agctttgtgc cacaaaaaaa aaa          173

```

<210> 207

<211> 105

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 30, 43, 66, 71

<223> n = A,T,C or G



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<400> 207

gctgggttcca ggctccaaga atgaattggn aagaatgggc ctnccccctc ctttataaag 60
catatncttg nattaaacat gtgaactttg agcagaaaaa aaaaa 105

<210> 208

<211> 222

<212> DNA

<213> Mus musculus

<400> 208

taaggaatgc aatgacaaat gaggaacctc tacctctgtg agctgctaac tacatctaga 60
ctctctctgc tgtctgaatc acagcagggc accttgagaa gatgctccct ctagcttggt 120
aggatgctga ggggaaagag tgaggcaaag cctgggtaat gccatatccc tcaactcact 180
tcatgaaaca tcctaataaa agtatttcta ctaaaaaaaaa aa 222

<210> 209

<211> 237

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 161, 183, 200

<223> n = A,T,C or G

<400> 209

taccctgagc tggcccaatg gagccttaca gaactaatca ggacttgtgg agacctctgc 60
actgaacttc ctataagtaa cttccaccac actggtttct actctcagaa ctgccccagt 120
gcttgctggg tagacttttc atctaagaca gtggattttt naaaaagacc ttttttctat 180
tgnttgagaa aaatcattgn ttcttgtgaa actgcgtgtc ttccctaaaa ataatat 237

<210> 210

<211> 220

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 34

<223> n = A,T,C or G

<400> 210

tccctgactg ccagcgatag acccagcacc cagnaatcc cctgtctacc tcccgtgggtg 60
attccataaa tccaccacac cccagaggga gcagcatccc tgggagatgg catcggtgca 120
tgggtccacag tgtatgggtt gggccctttg atgtatcaaa gcctttgatt taattctggg 180
tggggctgaa taaacaaaaa cctggggggca aaaaaaaaaa 220

<210> 211

<211> 257

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 24, 45, 48, 52, 63, 105, 107, 108, 118, 123, 128

<223> n = A,T,C or G

<400> 211

atgccccggt gccaaatggc ganngcgaag gagccgtaca agaangcnca anataggaga 60
ctnttccttc agagactaag ggactggggg aatcacacag aacngnnag aatgtatnta 120
cgntctanaa aagagcctac gctctatcta gctctccgtg ataaacatca ccaaattgcta 180

- REPLACEMENT COPY -

ctgcatacct ccccaacctt tctctgttta aaaataatta taataataaa gcatttataa 240
tctttcaaaa aaaaaaa 257

<210> 212
<211> 101
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 44
<223> n = A,T,C or G

<400> 212
acacatgtga catcttaagc tgccccaag gattcacatg ctgngacaat gaatgctgcc 60
cagaaagaaa ggtctgggat tctgcaaata accccttcag g 101

<210> 213
<211> 154
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 40, 57, 115, 135
<223> n = A,T,C or G

<400> 213
gtaacctccc cagcctgaaa cctgttttgct caggtttcan aagagagcat cggggcngga 60
gcttgccgcc ctaccattct gccactccca ctgctgaggg ctgctgcttt gctgntccag 120
agtcaaacac gtggnacac gcaactttac tcca 154

<210> 214
<211> 181
<212> DNA
<213> Mus musculus

<400> 214
ggtgcaagtg ctagatgctc aagaggacac ataagcagac ccgaaacacg gcttgacttc 60
catgagcgac aggaccagcc ctacagcgac catggatgtg ccgcgatcac tgcttcttca 120
cgaataaatt caccctcgaa ctgttaaata aataaagcct actgcagccc aaaaaaaaaa 180
a 181

<210> 215
<211> 160
<212> DNA
<213> Mus musculus

<400> 215
agagagtgaa ttagatgtat cctttttctg tacatgtttc catggatatgt ggcaaaaatc 60
aactcagga tgtgaccagg tactgcaggg ttgcagtggt atgcaagcat ggcagttgtc 120
catcagccaa taaacttcaa attgacttga aaaaaaaaaa 160

<210> 216
<211> 163
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 53, 67, 80, 82, 84, 88, 107, 137, 143

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<223> n = A,T,C or G

<400> 216

```
ggtaagtctc gaaattcgat atcaagctga tccggaaccg ttaatataac ttngtataat 60
gtatgcnata cgaaggatn angnaccncg ggaacctgaa gagccanggg ggggtgcacct 120
ttctactgga ccagganattg atnccccccg aaatcggggtc ccc 163
```

<210> 217

<211> 552

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 127, 131, 153, 180, 185, 187, 199, 229, 231, 249, 505, 534

<223> n = A,T,C or G

<400> 217

```
aagatcctgg agagctctca gactctgctt agngtactca aaagagaagc tgggaacctg 60
actaaagcca cagcttcaga ccagaagagt agtggaggca aggacagctg acgagtgcct 120
gtttcanccg nggcctatgg ctgcttagtc ctnaacatgt ctgtcctaaa gcatctttgn 180
tcttngnggc ctcagatgnc ttttatctct ggtgcccaga ggggcaatnt ntgacctcca 240
cctgcctana caagaaaagc cctaggacag tccaatggaa gaggtgttcc cagctccgta 300
ctcacatgtg ctgtggggac cctgagcagc tccatgaggg gcctctctct gaagctcctg 360
aatccctttg ggctaccagg aatgtcctgg tcctgggtctg agtactgtgg gagcccctca 420
ctttgtctcc ccagccacta gggccccagg ccagacatgt tgaagaaaga atcttgactt 480
cagaaccaa accttagggc ccatncccat ggcctctggt gtttcaataa aggntggttt 540
gcaagaaaaa aa 552
```

<210> 218

<211> 211

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 26, 29, 36

<223> n = A,T,C or G

<400> 218

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acctaccggg ggagtnaaag agatgnngna cctgangaaa gccatctatc tgcctgtttc 60
tttcccagac ttagccaccc acacaaatca tgggctttgt tctcatcaaa ggacatgaag 120
ttgctgcttg ctgaagatat tctagctgcc ctggagtttc ataatgggaa gctgtgactt 180
gggtgtcaat aaagagagtt tcaacacctg c 211
```

<210> 219

<211> 200

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 49, 56, 62, 176

<223> n = A,T,C or G

<400> 219

```
ggaggggaga agatcaattc tgaaagtgca accaagcata tgaaaacanc agtctnctgt 60
tnagctagta ttggaggaga aaaacaacca acctacgcta ctatgtatac ttgataaatt 120
tttcatggaa aggggtgaatc agtgaatcga cttcggattt gctgggtttaa atatgntgac 180
tggtgaaacg acagtgaatg 200
```

- REPLACEMENT COPY -

```

<210> 220
<211> 127
<212> DNA
<213> Mus musculus

<400> 220
ggaaaacctg gagagctgaa gaagaggatt attctaacc agactgaaca tcacgtcctc 60
tgacagattg ggtgggcat tgatttctga caattaaaac attctgtttt caattcaaaa 120
aaaaaaa 127

<210> 221
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 42, 68, 80, 96, 113, 119, 142, 164, 176, 179, 256, 281, 284,
304, 307, 320, 325, 340, 346, 348, 351, 361, 364, 367, 368,
369, 371, 392, 398, 400, 410, 426
<223> n = A,T,C or G

<400> 221
gctctccaga tcaggcctaa gtggatcact gacctggcta anagtaccaa gaaggcctgg 60
atcattgngg tgcctctctn cagaaaatgg tgacanaaat tgaaatcaac cancacatna 120
ggatcctctg tggcaagacc angataataa tgggggacac tgtnatctgg cactgnggnt 180
ccttcacgac aacagtggct ggtgggtcct agatttacia catcacttct gctgtcacag 240
tcaaaccggc catcangaga ctgaaggaaa ttaaagacca ntanaagtgc tactgtttga 300
gcancntgg cctgcaatan atganttcac tcctatgaan ggttgnanta nagtgttggt 360
ngantannnt ncttcaaact ggagtgcgac gnaccttnan aagaccttan cccccagacc 420
agcttngcca gccctccaca agccccacc agaacc 456

<210> 222
<211> 284
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 256, 267
<223> n = A,T,C or G

<400> 222
acccttgact tttagggatt tgctgctaca actgtaataa tgaaatgact ggaattacca 60
ctttctatcc gactaaagaa aggaatctga aactctgccc tacagtgatc tgagcatgag 120
agcatttatt gaaaaaaatt tttcccatct gagacctcca atttacagaa gagccagaag 180
cctctatggg ctttcttccc tactgacatc aacacccagc ctattgaaaa aaaacttaaa 240
actttgggtg aaggtnngaa ggtgggngat aatggacaga cttta 284

<210> 223
<211> 244
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 31, 49, 50, 56, 58, 60, 62, 89, 97, 106, 119, 128, 135,
145, 149, 151, 156, 179, 186, 201, 221, 225
<223> n = A,T,C or G

<400> 223

```


- REPLACEMENT COPY -

gagctatgac aaagacgact gcgatgnaca nttccaccca gagaactgnn cctacngngn 60
 gntggatcag aacgaaccca ggaaagacnt gttgagntga catgangctc tatagaaang 120
 tccttgcntg tgggnccaaa agtgnagtnt natttnacct tgaccgatca atgcgaccng 180
 tcatangctt gcatggaggt nacctgcact cctagcactc ntaangcata ggcagcatat 240
 cttg 244

<210> 224
 <211> 208
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 116, 120, 121, 136, 146, 147, 153, 155, 156, 157, 158, 160,
 161, 181
 <223> n = A,T,C or G

<400> 224
 ctcccagatc tgtctgcggc cctgatcgat cagcagtggc ctgagttcat ctgctcaaatt 60
 aagatgaacg atcagagaca gccaaactccc gagtctgtgc tgacgtcctc actgtgnagtn 120
 nttgctgcct aattcnaata aagatnntgt ttngnnnnan natcacattt aaaacaaaga 180
 nctaccaccc tatcatcgat gagaaggg 208

<210> 225
 <211> 257
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28
 <223> n = A,T,C or G

<400> 225
 gaactacgct gccatgaagc tgggtgaancc ctttacgatg aagaagacat ctgctctgga 60
 gaaggggggtg caggctgcct cctggcccag gactagctgc tcctccattg ctctggggcc 120
 tgggtggtctt gcgcgatgtc atggagtctt tgggaatcac gttattttca tcttctcttt 180
 ctcccctaac ccaacactcc tctggataaa ctcttggctt tctcagtata aagcagacag 240
 aaccagaaaa taaaaaa 257

<210> 226
 <211> 329
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 26
 <223> n = A,T,C or G

<400> 226
 acaaccagag gccctnngg ggcgngncac aaatgaaatt cacgggtaga ggaaaagaca 60
 gaggacacac tcctaaggga agaggcaata ggagcagAAC ggaggagggg aaagagcaga 120
 gcgtgaaaag tcaaggtttc ggggcctttt ttggtaggag gcctgtgata aggttcttga 180
 ctgaacaacc tggccttcta gagaaaacct tcccactgag acaactctcc tgcgggaggg 240
 tttcagagca gcggcctgca gaaaggaaga gatgtcatcc ttgaatggat ctaatcagag 300
 aggggtgctgg cctcagaggg gggggggcc 329

<210> 227
 <211> 538
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 227

```

ggatcctgtg ttggcgaggg tttggcccgc atggagctct tcctgttctt caccactatc 60
ctgcaaaaat tttccctaaa ggctctgggtg gagccaaagg accttgatat caagcctggt 120
actactgggc ttttcaactt gccgccgcct tacaagctgc gccttggttc aagataggag 180
tttctccttt taatcattca aatcaaagta attgttctct ttttttctat aaacagtcta 240
ttttgctaag tgctacctag gccagaaaca tctactacta acagcacgtg ggcatttggt 300
tccatcttaa aacctgggtc ctgaaagctc ccaggacaca ggcagggtgt ctcagttcct 360
cagctgtcta taaactaggc cctaagcaca actgacacca gatccacaag gccctcatca 420
gacgccacct gcaagcagct gcgtgctctt ctgtggcttc agaaatagaa ttatatcttg 480
gcactgtttc aatagagaaa ttaatgtacc agcccacaca cattttccta ttctcacg 538

```

<210> 228

<211> 252

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 27, 47, 48, 49, 50, 54, 61, 64, 75, 77, 79, 80, 83, 101, 122, 123, 128, 147, 153, 178, 189

<223> n = A,T,C or G

<400> 228

```

ctgcaccata aattcccagc atgccancgc tggagatatt ggggtgnnnn ggtncagca 60
ncanccagga agtgntncnn atnttctcta ctattacgca naagaggaa actatcggcc 120
cnntgaentc cccgacagat tctaagntac cgnggatgca gccacaaacg cctgtatnct 180
caccatcanc cccgtgctcc cggaggatga tgccgattac ttctgttcca tcgcccacac 240
ctttgaaccc ta 252

```

<210> 229

<211> 207

<212> DNA

<213> Mus musculus

<400> 229

```

cagcaccaga attaaagtgg gcctcttttc tgggtgacat aattgcactt tgggtctggag 60
gcccgagctg ctccagcag cagtaactcg gtctgttaag gcagcgctcg cacagcctgc 120
acactctgca ctgccttctt tcctgtgtgt ccaggcctca atgttccctt tctgcaaaat 180
ggaatctatc tataaagata tctgaaa 207

```

<210> 230

<211> 419

<212> DNA

<213> Mus musculus

<400> 230

```

agtcttctat gagtgtctggc tcagtttctt cccacacgag gaccaggctc gcattgggga 60
cgtcagaggg tgagatgctg cgggaagtgt acctgggtgt ctgggtcatc cgcaaacaac 120
taagagagct ggcccgcagg caggagaggc gaagacggcg ccgtatgtgg tctcatccct 180
cccatacttc ccgtcactct gaaccagtgc agggcctcaa acatgatgcc cgaagtcctc 240
tttaggcagg ggagccccag atcctttgaa agccccacc tctctcttac ggaagattga 300
caggaagggt tcaatggcca tcaggccaga gctactgggt aggagacatt cgaccatact 360
gccacatctc actggagccc caagaccagg cctgggggtc aacacacttc ctttctctg 419

```

<210> 231

<211> 231

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 29, 39, 53, 58, 75, 77, 85, 87, 93, 97, 107, 137, 146, 155, 157, 162, 168, 171, 172, 177, 187, 204
 <223> n = A,T,C or G

<400> 231
 ctggactgtg attctgcagg tcttttctna taagcaaanc tttgcttttt tanccaanat 60
 accatggaca ggacnanatg ggctnancgt ttnccanagg tcctgantcc aattcccagc 120
 atcccacatg ggggctnaca accatntgta atggngangcg angcactntt nnggggngtg 180
 cttgaanaca gctacagagt actnatataa ataaaagtaa ataaagaaaa a 231

<210> 232
 <211> 365
 <212> DNA
 <213> Mus musculus

<400> 232
 ccaccctcct ccctgcagag aggcccccatt tgcttttatgg gaacacagtc ctagaagacc 60
 ctgctaagca actccgtggg ggaagtgcct gtcacccagg aggagttcta atggactgtt 120
 ctcttcaacc attgcaaagg gtagaagacc ctgctaagca actccatggg ggaagtgcct 180
 tcacccagga ggagtttcta tggactgttc tcttcaacca ttgcaaaggg tcagatgagt 240
 atgggcttgg gccctttaat tcacaaaccc agtagaaggc aaagggcaat tctgccagag 300
 aaccacaaaa catgactgag gaagaggctc agtcagtaaa tgtttgcctt gtgagcttga 360
 aaaaaa 365

<210> 233
 <211> 432
 <212> DNA
 <213> Mus musculus

<400> 233
 ggcatacaaca gagagagaat tcattttacct cacaagcaac tgcaggatga acctatctga 60
 tttgctcttt tcttctatgt gacggcaaaa cagagaggag ataacattca acaaagacag 120
 ccaggaagca cagaaggaca aaagacaagt gcctggtggt agcagagtca tgagctactt 180
 tcttacttct tagtttctgc cactgactgc caaaatcaca atgcaagctg catctacaag 240
 agtctctctg tccccactgt ggcttttgcag tgcaagatca agccaggtag agatccacct 300
 gagacctgga gaaggggag ccacactgta ggtgggcagg ataggccctc agctaaccac 360
 acccatatta tatctacca gaagttctta ccactgactc atagaccaa ggggtcaact 420
 tcagaatagg at 432

<210> 234
 <211> 180
 <212> DNA
 <213> Mus musculus

<400> 234
 gattgtccta ctgagagttg ctactgccga gcccagttc cctgggagct gcaagccaga 60
 agaaagttcc aaccagactt catcaatctc tgggggtttct aaaaccatct tgacccttag 120
 cagtggctag acacagcatt ttccaagtaa agaaaagttg aaaaacctga aaaaaaaaaa 180

<210> 235
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 235
 gcctgttgga tgggtcatct attttaatat tggagcaacg taaatggatt gttaaaaaaga 60
 tgaacatttt tccctectca ttaaaaatct tgaaatttaa aaaaaaaaaa 109

- REPLACEMENT COPY -

<210> 236
 <211> 180
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 32, 41, 47, 59, 70, 77, 85, 111, 113, 118
 <223> n = A,T,C or G

<400> 236
 ccaaggatttt ggcctcnatt gtcctggagt tncaatgctg ntgtganaat aaaagcttnt 60
 caatgctggn acaatgntga aaaanatggc ctctgggctg gatcacagct ntnatatnca 120
 tgctgatgtc tgccatgacc tctgtcctgg aaataaaaag atttttagtaa caaaqaaaaa 180

<210> 237
 <211> 376
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 148, 149, 151, 152, 155, 159, 161, 164, 169, 171, 173, 174,
 183, 186, 188, 190, 195, 201, 204, 205, 206, 213, 216, 220,
 221, 227, 228, 239, 241, 243, 245, 248, 253, 271, 283, 323,
 344
 <223> n = A,T,C or G

<400> 237
 acaactgagg ttgggatggc taccagctgg ggcaagcatc ttgcaggatg agaagcagct 60
 ggaagaactg gcaaagcagg ccatagaccg ggccctggcc gagggcgtgt tgctgaggtc 120
 cgcacagcat cccagctcct cgcagctnng nncanttang ncantctgnc ncnnccttc 180
 acnaanangn agggntcttt nggnnaaga ctntgntttt nttatannct taacttacng 240
 ngngntgntg tcngccaaaa cccatgcttg ntggagccac acntgtctaa caccatcaaa 300
 aaaggacgac tatactgccc gtntctttga tatctacaaa caangtcctg aaagaaggca 360
 ttgcccacac cgtgtt 376

<210> 238
 <211> 452
 <212> DNA
 <213> Mus musculus

<400> 238
 gtgagggaac aactgtcaga agaaacagag caccatacct ggctcgtcct catgttcagt 60
 ggtgacagag cgcagatgct caagatgcag gaagagaacg acaagttctc ggaggccctc 120
 agggagggca cccaggtcca ctccaccttg taccacatga tgaaggactt cgcctcccc 180
 gtggcaatgg agagggtcag gcattcgaac tgccagttca tcgactcagt gtgctacatg 240
 ctgctgtcta tccgcgtcct cagctattcc tagctattcc tagcccttac agcgtgtgta 300
 agcatgggtg acccttatac cgagaggaat caggtatctt tccagtcagc cgctaaagtg 360
 atttaagagc accaggcggt ccagccacac tgcacaaaaga tttgaatggc ctttatttgg 420
 atacatctca ataaagtctg atgcctctca ct 452

<210> 239
 <211> 303
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 32, 47, 60, 84, 96, 114

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 239

```
cgatcattga gttttttcaan agccttggct gngttaacac tccattnaac caggaaccan 60
agccccca tcatgatgat gcantgttgc tgaagngcct ggagaccttt gacnatctgt 120
aaagcaggag ggccggagaa ggaggagatt aaatggggga ggggcgggtt caagtttgaa 180
taccagtagc tagagttata ctgccttgtc tttcaagact cattgagaaa ggctgcttcc 240
aaaagccttc ttgatgttct tagtttctgt tactataaag ttttaagagc aatgaaaaaa 300
aaa 303
```

<210> 240

<211> 303

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 35, 57, 235, 239, 240, 250, 253, 263, 271, 284

<223> n = A,T,C or G

<400> 240

```
tactcgttca gcgaggcca ctggccttag gcgngtgect ggccccagca ccatggntct 60
gtctcctgtt accaccctcg gtcctgaggt ctgagcatct ctcaagggtc ccaggagggtc 120
cttggeccat gttcatctct tgcccaagcc ctcagcaagc actgccaac aaccattgtc 180
cactgccatc ctaccagagc ctggctggat ttgccctgct tccacctggt aaganggttn 240
aaaacccttn gcntgtgcaa ggnaaaaggc ntaaaccctcc atgngcctgg ccttttgggt 300
tgt 303
```

<210> 241

<211> 393

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 39, 42, 56, 100, 110, 123, 186, 194, 195, 205, 212, 216, 217, 222, 224, 225, 226, 232, 277, 307

<223> n = A,T,C or G

<400> 241

```
ggagcgggggt gcgctggacg caggagtgac ccntccatng cncagaacac caagtncatg 60
cagactcaaa gccccccatc agagtcttcg agaataggcn aacgtgaatn ctatagcttc 120
ttntaat tttttctttt agagactatt ttgattcttt gacagtttca tgcgtgtata 180
caatgnactg tgannataac acccnattct tncacnnatc tnannnacag gntcctgtgg 240
tgtagaccga tgaaatgcgc ttagggcctt gatgganctt ccttaatttt tttaaaccgg 300
atgccgntat gccacttatg tataaaatta gtgatgaggc cactagtccg cctactggag 360
tagaaaactt taatcccaga gtaagtaa tcc 393
```

<210> 242

<211> 360

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 44, 46, 61, 64

<223> n = A,T,C or G

<400> 242

```
gccagcccag cggccctgag tctgacaaag ccttcatgtc caancnggag ggcaataagg 60
nagngaacag actccggcgc taccttgag cctcagtc cagcccagat cccctggagc 120
```

- REPLACEMENT COPY -

```
ccacccggga gcagtgtgag cttaacccctg cttgtgacga gctatcagac cagtattggct 180
tgaagaccgc ctacaaacgc atctacggta tcactattta ggacctgtgc tgccctaaag 240
ccaaactctg gcagctcggc tttggctgct ctccgggact tgatcctccc tgtcctctct 300
ctctgccctg caagtatgga tgtcacagca gctccaaaat aaagttcaga tgaggaaaaa 360
```

```
<210> 243
<211> 325
<212> DNA
<213> Mus musculus
```

```
<400> 243
gctgtcaagg agcctggatc ccaggagcga cctgctgtat agaggctggc ctggggccata 60
gaaacccagg agaggagtca acagtttgtt ttcaccccac ctcttgatct gattttctca 120
cagaaagcca ggcaggatct gctacttagg agtcttttagt cccacatgga gtcctcagag 180
cttcaggggc tcagtgtctaa ccgttcaacc tactcaaggc attttagtag gaggggctgg 240
ggcttaacgt ggtgtttgat cgcttcactt gcactttagg aggacctggg ttcactttat 300
cttacaataa atgaatgaat aaata 325
```

```
<210> 244
<211> 426
<212> DNA
<213> Mus musculus
```

```
<400> 244
gggaagctca ttaggcatcc gaaagttcta aaaggaggct ccttgagatt caggaactaa 60
aggactccca agtctcagga agttcctgga accgaccaga acatacacia agaagactct 120
tctttcttca agattataca gcagtaaaga ttgctgagag actctccaaa ttgagctgcc 180
tggaagggtta caaactcatt gaggtgcccc gaagaaagac taagattagt tgagctgccc 240
agaagacata ttcccaatct gtccagctgg ccccaggcta tgcaatgagc tcagcttttg 300
tgagttgtta tctatatagg gatggacgtt cagttcagtt accttgaggt aatcatgctc 360
tttcaagtaa tcccctaccc attttcctgg ggagtaaccc aataaatcca ttgtttcacc 420
atgctg 426
```

```
<210> 245
<211> 139
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 57, 78, 111
<223> n = A,T,C or G
```

```
<400> 245
gggattcaaa cgggagccgg tttggactga ctggatgcct tcctcctcct cccctnctc 60
ccccttctgc ttcagatnta tttattatat agtaagaaca ctgaagcagg ngtaggacac 120
actagacgag ggcaccaga 139
```

```
<210> 246
<211> 318
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 20, 31, 38, 62, 74, 75, 76, 79, 81, 83, 101, 119, 138, 140,
176, 191, 197, 207, 245, 271, 285
<223> n = A,T,C or G
```

```
<400> 246
```

- REPLACEMENT COPY -

```
gacggctttt atacagtgan atcggaagcg ngtaacanga gacaaataca tgagacgcac 60
tnatgatcta tttnnnctnt nancctttgc gacatggatt ntcactgagc aaaaccaana 120
ccaaccagaa tgacgatntn attatatgaa tgtgacggtc tctgtctccc cacctncatg 180
tggaacaatg nattcangat acttagngta ccacgtttaa atgaccaggt ctcaggataa 240
agagnntttac agaaaattta aaatgcctgg naaagactct tgggntcctg ttcccctttc 300
ctcattaact tcgaaagg 318
```

<210> 247
 <211> 219
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34, 44, 110, 111, 118, 135, 139, 142, 147, 148, 151, 154,
 155, 156, 161, 168, 171, 172, 179, 183, 192
 <223> n = A,T,C or G

```
<400> 247
gcatgctact ggaaaatggt ttgggggaggg ctgnaatgac ctgnctggac attgtcgccg 60
aggtatgata actgttaccc gaaggggtct ttcatgggt ggaggctggn nctacctntg 120
tacttgaccc taacnatang angccannac ntgnnnccca nccgactncc nncgggtcnc 180
agnccgggctt gntctccctg accagaaacc cacctctca 219
```

<210> 248
 <211> 102
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 65
 <223> n = A,T,C or G

```
<400> 248
gacacccagg attcagcana catccaagat atggaggaga cactagatgt gaattcttat 60
gcagngaatt aaacaatatg ttattacaca aggaaaaaaa aa 102
```

<210> 249
 <211> 131
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 50
 <223> n = A,T,C or G

```
<400> 249
ggtagaaaga atccagaggg taatggggcca tgtctccctc aagagaagan gtctacatta 60
taaactccct tttaacccc aacaccact atatattttt aatatataga aaaaaaagct 120
aaaaaaaaaa a 131
```

<210> 250
 <211> 189
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 134

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 250

```
aatcaaatat gcattgatac atatagcata acaaatatat atgatttttt ttcataactca 60
acaaatgggt aaactgagtc tcacagtagt aaaatgactt atttatgaca cattggtagc 120
agacactgaa gttnaacctg agccttttcta tacttttctca atgacctgct atactgattt 180
cattcttct 189
```

<210> 251

<211> 185

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 40, 46, 50, 53, 59, 70, 73, 80

<223> n = A,T,C or G

<400> 251

```
ggagcctagg actgctccat ngggcaacac acaaactatn ggcatnatgn ctntaattnc 60
atggccgctn cantgcactn gggatgcttc attgtaaact ggggtgtgta actgattctt 120
tattgctcac tctgtcccat ctgagccaag ccagctgttg gcaattaaaa cccacttgca 180
acctt 185
```

<210> 252

<211> 374

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 54, 55, 92, 93, 96, 105, 106, 119, 129, 139, 277, 333

<223> n = A,T,C or G

<400> 252

```
tgactgatgc catcgcttag atnataaagc gcccgtcact caagcacaga agtnnaaatg 60
gacacgttca ttactttact gatgtacgat cnntcnctga cgtannacct caaagaggna 120
aggctttgng catatgcana aacggggaga aaaaaataat ctctccgagt cagaagcctc 180
gggggagcat agcaagactt atcaaagtta cagtgtctca ttgggaaagc gccaaccgcc 240
agccctcggg cgaggtgcag tgggtgcataa ttaatgnagt cccagacaca ggtcactgaa 300
gtgccacag gtgtgtgcct gggtttcaat aanggccttt ccttggaact ccttttcgga 360
ttttgagttg ggcc 374
```

<210> 253

<211> 161

<212> DNA

<213> Mus musculus

<400> 253

```
agcgttccta atcccacctg actgagaaga gtgaccagcg gacctaaaggc tctcttctgg 60
cctacataga cgctgtctct cacatgcaaa aaaaagccca ccctacatg tctaaacaca 120
aataaaatca ttataaaca atataaataa aataaacaaa a 161
```

<210> 254

<211> 188

<212> DNA

<213> Mus musculus

<400> 254

```
ggtaagtctc gaaattcgat atcaagctga tccggaaccc ttaatataac ttcgataaat 60
gtatgctata cgaagttatt aggtccctca ggctcatggc aggccacca cctctgcctc 120
```


- REPLACEMENT COPY -

tggagtgtgctg ctatttaaagg caggagcacc gtcataactca gctcctaagc ttcattttaa 180
aaaaaaaa 188

<210> 255
<211> 414
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 40, 45, 49, 54, 63, 83, 94, 101, 103, 106, 111, 161,
163, 165, 167, 169, 172
<223> n = A,T,C or G

<400> 255
ggacaatgaa ctgccggatg ctgcccgcacc tttgcantgn cctcnatanc tggnacgggc 60
canaccaacg ctatttttctg ggnttagggg atangactac ngngtnaggg nttagcaaac 120
ggatggaaca tgtgtggaag atggtacgct atccaggcca nancntntnc antgtcagcc 180
cggctcacta cgcccgtcgc ctctgtcggg gggcagaggt gcacacagaa tgactcacgt 240
gtctgccttc ttcccttatg gacaatgcgc cggcaactat tctgcagctg taccagggga 300
gctagcctgc agttcatcct accagccacc agagggaagc accctcataa ctaatgctgt 360
gaagactcaa ccccatcggg tgacgggtgct gtaccctgca tagaacaagg accc 414

<210> 256
<211> 210
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 31, 64, 92, 95, 98, 126, 128, 138, 153
<223> n = A,T,C or G

<400> 256
caggggaaac accctcttnc tacttacact ngctctcgccc acccccccatt ctctccttgg 60
tttnttgggc ctttactgtg gctgtacttc anatnatnaa agcaagagaa agaattgtgt 120
gagtgnntnc ttccctgngc cttaagggcc ctnatcccag cagcccatat agccagcaaa 180
tggaggactc ctaacttcag cacaagtggg 210

<210> 257
<211> 346
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 73, 94, 111, 179, 191, 215, 222, 227, 228, 229, 233, 244,
256, 282, 308, 314
<223> n = A,T,C or G

<400> 257
ggttagcgta tgcctacgcc cttagcgtaga gagtgacgat gtcccttgaa cagcaacctc 60
gccagcacgt ctnttagagc acgtggatgg gagngcacga gcagcagcag ntgctaccat 120
ctatcgtgac atagtgtact cacgaagaat gtgatgtgcc gagctgcgag aacacttcng 180
cgcttgacac nttcgccctt gtcctctaga taaantgcg tngtccnna aancgatacc 240
catntgagaa ccattngatt aatagataaa gcaaagacag tntctgaaaa ggaaaagttc 300
gaagatgngc cccntcacat cacgaacatt tatgaagata gcccg 346

<210> 258
<211> 372
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 258

```

ggatgaccgg cttcaactcc ggaggaaata acactactac ctccaacggg tccccctcct 60
ccaattccgg tcgcccagat ttccgaaagt attaactcag cctggcggtcc cttccctggc 120
cttcagcagc cacaggagga gagctgatgt cgcctgtagg atgagaggac tgcaggatgt 180
gatgcccgat cccattgtcc cccccaggac ccatggctct gacaagccct gaggggtggg 240
ccttccccat ctcttctgat tggaatcttt cttctcccta cccattctc tctattcttt 300
ggcttctcag tgtctctaca acaaagaata gatgattcaa taaagtttct tgattttctg 360
caaaaaaaaa aa 372

```

<210> 259

<211> 373

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 261, 301, 308, 316, 325

<223> n = A,T,C or G

<400> 259

```

ggaattaccg tccccagct ccgtggccag cagtgactca ggaagtacag acgaaatcca 60
ggaagacctg gagcgggagg cggatgtgga gcccatgggc agctgatgac ggaggcccga 120
cgctcctggg ggtcttggtg atgggggtcca gcctcctctc cccactgagc cgtgtgggct 180
ccactcctcg acacagactt ctgtcctccc ttctccggag gccagcggg accgctgctt 240
ccttccttcc tccaccaccg ncccatggaa tgggtgctgtc gatttttcta ttgtccccac 300
ncacaccnca aacgentact tttgngcgtc catgcagtgc aactgtgcct tctcccttaa 360
gctgagccac ttt 373

```

<210> 260

<211> 192

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 165

<223> n = A,T,C or G

<400> 260

```

aggagaccga tgaagttccc tggttctctga ggaggaaaca tctcatgtct cctgatgcct 60
gctcttcagt ttctgtctag ctgagacacc acaaatgatt gccctcttcg ttttgaattg 120
ctataaaagc atgcctgggt ctgagtaatt tataataaaa tgccnaatgt atttggctca 180
tgaaaaaaaa aa 192

```

<210> 261

<211> 109

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 64

<223> n = A,T,C or G

<400> 261

```

tagaaattga actctggaag agagggttcc cagactgcct tttgagaata aaatgggagg 60
ccanaaccaa agtcttttga ataaagcacc acaactctaa aaaaaaaaaa 109

```

<210> 262

- REPLACEMENT COPY -

<211> 347
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 33, 325, 331
 <223> n = A,T,C or G

<400> 262
 aaagatgaag gcagagatca ggaggggaaaa gancctttgga ggggaactgc gcacctcctt 60
 ccaggagccc ggagggggaga gacagctgct cagcagcagg aagaccctag cagattatgg 120
 gatattctct aaggtgaaca ttcaagtgct ggagaccttt cctcctgaga tcctgggtctt 180
 tgtgaagtat cctgggtggcc agagcaagcc tttcaccatc gaccctgatg ataccatctt 240
 agatctgaaa gagaagatag aagatgctgg aggccttgt gcggaggatc aggtactact 300
 gttggatgat gaggagtgtg aagangatga naggccttaa gagcttg 347

<210> 263
 <211> 166
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 20, 62, 86, 133, 141
 <223> n = A,T,C or G

<400> 263
 aaggactgcg gaggcnaacn ctttgctgtg ttcaaatacca agtcaagggt acaaaaatgc 60
 anagcaataa agcctttaac ttgganaagc aaaatcatac tccaaggga gcgatcatgca 120
 acatcacctt atnaaaatac ntttgaagcc ttttcaaaaa aaaaaa 166

<210> 264
 <211> 375
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 155, 198, 209, 258, 288, 305, 314
 <223> n = A,T,C or G

<400> 264
 agacctgaac actccagctc ancctcactt ccaagcagtt gcacacggag tccctattca 60
 tccaacggct ttctatactg ttttccagaa gtgggaaacc ctgggatta cgcgtagtgg 120
 gggcggtggg accttaaaac tgacgtgaat ctacnattcc cagtagcaag gcaaaacacc 180
 agaggacgtg aatatgancc taccgtctng ctgcctcgga gactcaatgc ccagggactt 240
 caagcctgca aggactanga aatggaaagc atcggctaca agtgccgncc tccccattac 300
 ccttnctctc cggncccaag gaggcgtgta ctaagtgaag ggactcggct tatagatccc 360
 acccatttgg cgagc 375

<210> 265
 <211> 123
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 41, 72
 <223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 265
aatTTTgtca gaagcactgg agacttttagc cactgagctt natgaactag aacgatccct 60
ggTTgaagga tNcccgCctg tcagcatcct tagtgaggag gagttctatg atgcactgtc 120
agg 123

<210> 266
<211> 192
<212> DNA
<213> Mus musculus

<400> 266
gatggacaac gaaagctgag gaaggagatg tacaagggct ggagaggggc tgTcgTacag 60
ccactggatg aaggaaggct cccgctccca tcctgagctg aaaaggaaaa ggagcatcaa 120
agatccaaag cctcgCgttt ggtttttatt tttattaaaa acctcctgat tttctccact 180
gaaaaaaaaa aa 192

<210> 267
<211> 338
<212> DNA
<213> Mus musculus

<400> 267
aaggccagac ccagacacca caccagcaa tggatacagg acatcacacc cagcaatgga 60
tacaggacat cacaccagc aatggataca ggaccttgga gaaattagga gttgtaagca 120
ggacctaggc ctgcttgatt ctttcccacc taagtgaggt tctggagagg gagcccttcc 180
acccttccag acccagcaaa agggcaagat gggagcaaga agcagagggg agacgggcag 240
agctaggaag acagccccc aaagaactgt gggggaaata aatcggatgc ccttggggtg 300
cagcaacaat aaatcgtaca gcagtgacaa aaaaaaaaa 338

<210> 268
<211> 469
<212> DNA
<213> Mus musculus

<400> 268
ggctccacca gcttctcggg tggagccagc gcccgtatcc atgctatccg actgcaaaga 60
gagtcgtgga cgtgaaaaga aaaggcacia caagggagag agaacctgcg ccccgcgatg 120
ggcgctgggc cgtgccgcca cctaccgagt ccgagacgaa gcctcgggtt tgcaggacct 180
tcatacccca gacaccgaac cgagcccgaa ctgccaacgc cgagcctgcc attgtcttcg 240
gCGttgctca gctcgCgttg cgggcgtggc tgcttctctc ctagcgcgct aactgcgagg 300
gcggctgaac tgccaatcta gacgcCgggg aggtgggacg agcacggaaa ccgcgaatca 360
ggagggaggg ggcggggcct atgatatctg cagcgtttgt tgagagggag gcggatttat 420
ccttagttaa caagtaataa acaaggctct acgcatcatg acccagagt 469

<210> 269
<211> 397
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 212, 226, 236, 237, 239, 245, 246, 247, 257, 258, 267, 269,
270, 283, 296, 300, 353, 371, 374, 378
<223> n = A,T,C or G

<400> 269
ctgccgaaga agagtgaatg agaaaagaac aggccaaagc tgctgcagga aggtgccggc 60
ccaggagacc tccatcatca cccggctgtt tgaaggacag ctCagttaca gcatcacatg 120
tttaaagtgt gagagctgca cgcacaagaa cgaagttttc accatcctct ccctcccat 180
cccatctgac tatgaatgtt ccctccagga anggagcccc cagctnctga atatanntnc 240
ttggnntga gatgtgnngg gaggggnngn cttttgtgaa atnaagcaag aggcantgn 300

```

- REPLACEMENT COPY -

gaggaccacg atttccaagg tgccgaaaat aattgttttt cactttaaaa ggnttgacat 360
ccagggcaca ntnaganga aggttcggca gacattc 397

<210> 270
<211> 266
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 170, 171, 177, 186, 210
<223> n = A,T,C or G

<400> 270
gggaaggaga agaggcggaa gcagccaagg agctgctgct gaatctacag tccacggggc 60
ttcatctcct ctcagggggc tgccaatgtg tcccactctg ccaggaaga actcgacaat 120
acccctcag aggtctgttt gttagattaa agttggattt gactgtggan ngcgganttg 180
gaaganttg accatgtgac ccagaactan aatgtaatta ctactgttca gttaattgct 240
ttaattttct gggctggggg gggcgg 266

<210> 271
<211> 358
<212> DNA
<213> Mus musculus

<400> 271
ggtgagggcc cgactgctca cctgtgtgga ggggatggat ttgtccctgt tagagaaagc 60
catcttgag cagaggcgtc acctgcagaa gaggcagcag ccaataggag acgccagcac 120
cttgcaaacc cctacacctg ctctcaatc gattcccagt gacagccta gtctggaacc 180
agagaacagg gggcagcagg tgccccctcc ccaaactctg gactgagcag aaagcccacc 240
caatctggcc gtagtggccc atgctgcaat cccagtgcag gcaggagag gcgggaagag 300
gtggagttta aagccagtct gagctacata acacatatgc cctctctctc tcaaagaa 358

<210> 272
<211> 219
<212> DNA
<213> Mus musculus

<400> 272
gattgattgg acccaggacc ttcccacggc tacagagggg ctctagtacc aagctacatc 60
tgcaccccaa tccaccgtta acagctctac aaaagaaccc agctgcctaa gctctcttca 120
ggtttcagtt ctcactctaa ccctgtggct ctgctccttg cctctctgct cctttcaata 180
aattcagtc tagtttgta atttactgaa aaaaaaaaaa 219

<210> 273
<211> 164
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 39, 42, 51, 67, 74, 81, 93, 96, 99, 101, 114, 120
<223> n = A,T,C or G

<400> 273
gaacgcctgg ttccgtttta tgaagtgcga ttaccaccnc cncctgatat natgtaaggc 60
agctganaag cttncctggg ntctctggaa gcncancang ngctcttaac catngagccn 120
tctctccatc tcaaaccacc catgtatata aaatgaaaat acat 164

<210> 274
<211> 349

- REPLACEMENT COPY -

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 293
<223> n = A,T,C or G

<400> 274
ctgaggatg ggagttttgc ctggataaga cagaagatgg tggcggatcc cccggaagtg 60
atgttacaga cacttgtgag cctccatgtg gatgctggga gttgaatccg aattccctgg 120
aagaggagca cgtgctgttc actgctgacg cgtacctgga gctccacaac gatgacacac 180
gagttgtgag agtgaagggt atagctggca taggcctggc caagaaagac atcttgggag 240
ccaggtaaat aacaatgcat gagcttgggg tttaaggaaa cagtattgct tantttcttt 300
cttgaacttt gattaaatga aaatctgagt gatagtagca aaaaaaaaaa 349

<210> 275
<211> 258
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 85, 86, 87, 100, 102, 109, 110, 115, 118, 131, 133, 143, 148, 150, 151, 160, 161, 166, 175, 176, 186
<223> n = A,T,C or G

<400> 275
tcagaaaact tcctgaactg gnacgtcatc actgatatgt tcaaaaatgc atttcctttc 60
attaactggg acttcttccc taagnnnaaa ggactgagan gngccgatnn tgatnccnag 120
cgaccattct ntntaagacc tangaccnan nctgagcccn ntggancagg aggcnnngcga 180
aggaanctga agtccatcct acgacaaatc tcccctgcct cagttccccc aataaagtgt 240
tttccactca aaaaaaaaaa 258

<210> 276
<211> 310
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 49, 59, 71, 83, 84, 88, 89, 94, 96, 98, 104, 124, 130
<223> n = A,T,C or G

<400> 276
ggtgtccgcc gatgccttag aagtggagtt aagagttgtg agctgccgnt ttttggctnt 60
gggactcgaa ntctgttcac ctngatnnt atcngncncc aagncatata cttgagcccc 120
agcnacatan agacttcagt gagaaccaga gagatgggtg caggcctgcc aacctgagtt 180
caatagcaga acccacacag tagcaaaaga accaactctg acctcccttc tccccctccc 240
ctctccttcc cctctccagt agtcactcca gagacaccca aaataaaaaa tttaaagtga 300
aaaaaaaaaa 310

<210> 277
<211> 240
<212> DNA
<213> Mus musculus

<400> 277
aagcccaatg taaggttcca gatggcccac ttatttggag acaccattta acacggttct 60
gcttctactt ccatgagaac ctagtgaaga agacacagcc agagctttga tcaaagattc 120
caaatgcaaa tacaactaac cacccaactg gtcccatcag ccaatgtatc tctttgttac 180

- REPLACEMENT COPY -

ctcaagggag attgatttac gctttcatca ataaatcttc atattttcaa agaaaaaaaa 240

<210> 278

<211> 273

<212> DNA

<213> Mus musculus

<400> 278

tatggacgaa	aagatggatg	ttttaattaa	taatcaagaa	gaacaacaag	cttccctttc	60
aaaaccaagc	caaggagcag	cagaaattct	ggcagctagg	aaagatggac	aaaggctccc	120
aagccatgat	cacagaagaa	cccgatggag	caccattggc	ttgtgacaag	aatgtggtgc	180
caccaaacc	aacgaggaat	ccactggagt	ccctccatcc	atgtcagagt	tgctgcgaga	240
aatgtttgtt	gtgtgcccta	aagaccaacc	gca			273

<210> 279

<211> 131

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 42, 48, 58, 67, 68, 71, 72, 76, 83, 100, 109

<223> n = A,T,C or G

<400> 279

acttcttgaa	ccaggattcc	ggaagaaatg	gagacctttc	cntacatntt	gtgagcanca	60
aaaggannag	nntggnacgt	gtntataaat	gacgttgaan	ttaacaggnt	gttttttgtc	120
aaaaaaaaaa	a					131

<210> 280

<211> 276

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 27, 236

<223> n = A,T,C or G

<400> 280

tgtatagctg	acactctgna	taacacntgg	tagctatctg	ctggagaagt	cgcgagtgat	60
cttccagctg	cccggtgagc	gtggttacca	tgtctactac	cagatcctct	cagggaagaa	120
gccggagctg	cagggtgagg	gtcaggatgg	gaggtcagat	cccaaagaca	ctgcctggct	180
ctgggatggg	tgttcaccct	ctctgcagag	gcgtggggca	cctccactct	cctggnaaca	240
cacagctgtt	tgtcccaccc	tttttcttcc	tactgc			276

<210> 281

<211> 305

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 22, 40, 42, 52, 55, 64, 70, 73, 81, 89, 105, 114, 126, 134, 147, 158, 171, 188, 202, 205, 219, 243, 253, 267, 268, 269, 280, 283

<223> n = A,T,C or G

<400> 281

aggcctgggc	ctgaantctc	anagccccaa	gctgtgcggn	tncacgagac	tnagntcttc	60
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- REPLACEMENT COPY -

```
ctanatcaan tgncttggt ncttcatgng caaacgcaaa cgcanaactg ccanagaaga 120
cagtanaacgc tatncctcct gaagctncca agggagtncc tgcctgccag ngccaccaga 180
tgacagtnca ccatggagga tnttntcag atctccgtnc tcatcagtca cctgctgggc 240
agntgcctct tanattcctg tctgcannnc agacagtcgn cantatgcac actttacccc 300
agcag 305
```

```
<210> 282
<211> 281
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 116, 138, 145, 153, 154, 155, 166, 175, 177, 179, 180, 182,
183, 186, 192, 227, 233, 239, 240, 253, 262, 265
<223> n = A,T,C or G
```

```
<400> 282
cagcgccatc ggccgacccg ggcgcgcgcgc acgcgtgccc ggactgcggc cgcgcctttg 60
cgcgccgctc cacactagcc aaacatgcgc gcacgcacac gggcgagcgt cccttngcgt 120
gcacggaatg cggccggngc ttctngcaca atnnnattct gaccanacac ggacngncnn 180
anncantcca anaaaaggga ctatggcccg gaatgcgaca agcgtctctc cgncgcctnn 240
aacctgcggc agntccggcg gngtnacacc gtagagaagc c 281
```

```
<210> 283
<211> 140
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 30, 46, 74
<223> n = A,T,C or G
```

```
<400> 283
gacccccggt ccaatcgaca acactaaan tgccggttact aaatgnggca gtgtgatgct 60
caagcaagga gcanactctg gtcaaatttc agaagaaaca tggaatttcc tgcagtctat 120
atatggtggg gggcctgaag 140
```

```
<210> 284
<211> 148
<212> DNA
<213> Mus musculus
```

```
<400> 284
accctgaggt acgacggcga agctccaaac gagagagacg atgaacacgt cattaacttc 60
tattgtgaaa gctttggggg gaaaaaacat tttttgtcta aatatgaggc taaataaagc 120
cttggatgca caaaccagaa aaaaaaaaa 148
```

```
<210> 285
<211> 474
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 407
<223> n = A,T,C or G
```

```
<400> 285
gacagcaacc ctgctctgag actgcagccc aggtaccaca ttctttcttt ctccatcctt 60
```


- REPLACEMENT COPY -

```
cccttgattc tgctgcagac cctctggttag ctgggcttcc tcaggggtcct ttgtcctctc 120
caccacaccc agactgattt gcagcctgtg gtgggagaga actcgccagc ctgtggaaga 180
agacccagcg tgctacacag caacccggaa ccaaccaggc attccgcagc acatcccgtc 240
tgctccagaa gaggtccttag aagtgagggc tgtgaccctt ccgatcctga gcggctagtt 300
ttcaaacctc ccttgccccct gcttccttcc ggctcaggct gctcctcctt aggactttgt 360
gggtccagtt ttgccttctg ttctgatggt gattagcgtc tcacctncag cgcttcttcc 420
tgtttcccag gaccacccag aggctaagga atcaagcatt ccctgttgcc ttct 474
```

<210> 286
 <211> 393
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 72, 81, 99, 102, 139, 140, 149, 155, 163, 176, 178, 223,
 227, 236, 250, 257, 264, 297, 305, 307, 317, 318, 330, 367,
 372
 <223> n = A,T,C or G

```
<400> 286
gaactgaggt tggctacnca gagcgatatg aaaacagaca aggagcagga ctcatccatc 60
aacctgatcc gntgctccta nctgggcagc ggggacagna gncaagtcac ttctgaggaa 120
cagattccct acacagtgnn ttccacatna caganaaata tantgcagag ctactnanga 180
cacagagaaa gcctggctac ccaacagccc cccaagaaac agnccantgc caccgnccga 240
ggcctcagan agcttancac acangccgat ccacatccat tatcatgcct taatcgnata 300
cgagngngct gaacaanncc cataccatcn ttctggactt ttccatgggg cactatgtgg 360
ataatcnggc tntgggttata ctaaggcagg acc 393
```

<210> 287
 <211> 198
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 67
 <223> n = A,T,C or G

```
<400> 287
agatgatgac gaacatgagt ggattgtcag gacctgccgc aagggtctggt tgccaatgcc 60
caaacangaa gtcctagcca tgagcacctc ggcctcagca tctcaccagg gacttccttc 120
tgcccactgc tggcctggga aactggctgt agtcctagct tcgacttaag tttcagaata 180
aagggttttct gcactgaa 198
```

<210> 288
 <211> 431
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 135, 136, 145, 149, 151, 163, 166, 172, 198, 206, 211, 225,
 226, 231, 244, 249, 257, 335, 362, 371, 408
 <223> n = A,T,C or G

```
<400> 288
tatttgccgc ccgacttggc tgcagtcctg ctggagagag aggctgtgag cccagctgcc 60
gcacctatgg gcagaccttc gccaacgcca cagatctgtg tcactctgct ttgggtcacg 120
tcctgccgggt agcanntcct ggttnccagc nctgcctcaa cgncctncatc tncctctacag 180
gagccccgccg ccgccctngt gcctgnattt naaatgttgt atgcnntggc ngcggcagcg 240
```

- REPLACEMENT COPY -

```

gcanccggcna cagcccngag ccaatgtttg gcttttcaata cgtgtccctt ccctaggcca 300
gtgagccacc cagaagtcac ctacctctct tcctntatcc ttccttccta aaccaggccc 360
tnccacctgt ntccctagaa atgatctaac cctcacttat tttgcttncc caaaataaag 420
ttgccagcct a 431

```

```

<210> 289
<211> 483
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 374, 417, 449
<223> n = A,T,C or G

```

```

<400> 289
atatcgacaca tgctaagcaa tccgtctctt gaggaacatc gcttcaagtt ctgaacttcc 60
tgtcagggtc tcctgcagtg caagctggcc tcgcactcgc tgtagagcta atgctggcct 120
agaattcctg accctcctgc cttttactta ctccaaggaa ctgagaatat ggacctgaac 180
ctggatttac gtttgctcta tgagtgggtg aaccgcggcac cagaacatgc caggcagtg 240
tccaccactg agttacgtgc ttacactagg cttttaccct tgcaaagatg gttgctatgg 300
acattttatat atgtgattgg cttacgtggg atggtaaaat agtcttatat tttgcagatt 360
tggtttattcg ttgnttattc atttaggtct ttaaccatct ggagtttatt ttggtgnaat 420
ttttttttta acattttgga gcttttggtt ttattatcta aaataaaagg tattcattca 480
tgc 483

```

```

<210> 290
<211> 413
<212> DNA
<213> Mus musculus

```

```

<400> 290
gagagaccta tgcattgctt atatgctggg gacattgact tatctctata ttggtatcct 60
ggtttttgcc tcattccctt cgcctccatt acccaaagat tgtattgaac agaacttctt 120
agacaacttc cccagcagtg acatcctgtc cttcattgca aggatattcc tgctgttcca 180
gatgatgact gtatatccgc tcttaggcta cttggctcgt gtccagctct tgggccatat 240
cttcgggtgac atttatccta gcattttcca tgtgctgatt cttaacttag ttattgtggg 300
agctggagtg accatggcct gtttctaccc aaacatagga gggatcataa ggtattcggg 360
agcagcatgc ggccctggctt tcgtgttcat ataccctct ctcacttata taa 413

```

```

<210> 291
<211> 223
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 20, 26
<223> n = A,T,C or G

```

```

<400> 291
ccctgtttga atacccgagn tagatngact gccaaagaaga agcggctgtc tctggagcag 60
ggaggagcag agctaggaca caacgttacc cataagcatg aaccacttcc aacgctttcc 120
ccactccagg cagacactgg agccattaag caataactcc ccaaccttcc cctccagatc 180
tggatgcttc taaactactt tctgtctatg atgaaaaaaa aaa 223

```

```

<210> 292
<211> 435
<212> DNA
<213> Mus musculus

```

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<220>

<221> misc_feature

<222> 398, 412

<223> n = A,T,C or G

<400> 292

tcactggcct	gtttggaaca	gagcagcaag	gcaccagccc	tgccctcagt	actgcgaacc	60
acaccagaga	gctcgggttt	cctaggtgga	aactaccaag	tcctgttaca	caagttaatg	120
ccccatcttc	taaatgggca	cggtttctcc	tggcacctgg	aaatagtcct	caagtggatg	180
agaaaccaag	tcctctgcag	gaggccacca	tgctagctga	cctggcacia	gggactgttg	240
agaacaagac	tccagtggaa	ggccacttca	gcagagcccc	tgccattagg	cctcctcaag	300
ccattcacac	taccacccca	caactggaca	gacctgacag	gaagaccoga	gagcagccaa	360
gggacatggg	gactcctcga	gcagatggta	ggcctttngc	tcaagggacc	cnagaaaggt	420
tcaacctttg	cactg					435

<210> 293

<211> 385

<212> DNA

<213> Mus musculus

<400> 293

gtccttaaag	agaatggata	aagtgcacaca	atattgaaga	agaaagaggg	gttcactcaa	60
cagagccccc	agggaggcta	gaaaaagctc	aagcaagttt	gtctttgttt	ttcttcttct	120
tctttctgac	atataaaacc	cactgtttgt	gttaacctgg	gcaaagagct	gtactgcaac	180
aaagaagcgc	aagcttttca	gttgctcttc	gaaaacaaga	ccaggaaggg	gccttcccaa	240
agcatcagtc	cgtagaaaag	ttactttctg	ctttaaaatg	gggttcattc	aaagatgacc	300
caagtacaac	agtatctaca	gaggtcattc	ccctgcccc	aattttcttt	tgtacatcca	360
agaataaaca	acattaataa	aaaaa				385

<210> 294

<211> 299

<212> DNA

<213> Mus musculus

<400> 294

gcttgaagag	aaatcgggac	ggctgcagac	acaggagcct	ttgcccacag	gatctgaaca	60
actggctaac	ggaagcaacc	ccacggcagc	agaagataaa	cacaccagga	gtccacaatg	120
agctggagga	gactctttca	gaaagaaacc	aacattccct	ggctcaccgg	aactcctgat	180
ggcaaaaactg	acctatcaca	atgggtcacct	gtttatccag	aacccttgac	tagcggcttt	240
ggccttagcg	atactttcat	tctgcgtgga	tctgcttttg	tggagtggga	agggtaatg	299

<210> 295

<211> 421

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 19, 276, 356, 359, 363, 373, 376, 378

<223> n = A,T,C or G

<400> 295

gagatttcca	gaaatatnnt	gactcacgag	aacgtaacag	aaaacctgga	gagtccagtg	60
ctaaagtcca	aactggagga	gctacctgaa	gccccacta	caaatgggtc	aacaaagaca	120
catctgaaga	tgcgagtga	ggcgagaccc	cctggacaga	tcaggggaat	ggtgcataca	180
gatgagatgt	aagccaatca	cacaagacac	cacacaggct	tccctatcac	cttttatcat	240
gtggcagggc	acctcaaagt	cttgctcaca	atttgngatt	tcattttctc	tttgtggtaa	300
ggtcaaaggg	aaacaagttt	taacttggaa	ataaacttcc	tagctcaa	tctaangcna	360
ganatacatt	agngantnca	tttcttcttt	gtggtaaggt	caaagggaaa	caagttttta	420
c						421

- REPLACEMENT COPY -

<210> 296
 <211> 246
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 34, 44, 45, 46, 50, 60, 61, 86, 89, 93, 101, 112, 116,
 130, 142, 150, 151, 162, 163, 167, 169, 179, 185
 <223> n = A,T,C or G

<400> 296
 gacaagatcc tgaccatcan cgagagacct ggaggaggc acgnnncacn catcagcttn 60
 nagaccgaag ggtgacacag cggccntanc atnatgccc natgacatta tntttnttgc 120
 aaaggataan ctgtacccta cnttccatan ngagcatgac annttcntnt tcgcgtacnc 180
 cattnctttg ggcagggacc ttacctgctg cactgtggag gagaatactc ttgttgaccg 240
 gatgct 246

<210> 297
 <211> 346
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 317
 <223> n = A,T,C or G

<400> 297
 gctctcttcc tcaggccgng agacctaccc ggggaggcct ttctttcaca cccagcccag 60
 gagcacgccc ggcttgatcc cccgacctcc agctgctcag cctgtgcacg gcaggataga 120
 ctggtcttcc aagtacccat cccggcggtg actgtcccgg ccacgggccc tgctcctcag 180
 ctggctccat tgtacccgca caaccacgag gcggtgtaaa acaaccaca cttacagctg 240
 ttctgaacta atacatttca atattttctt taaatttttt taaaacatt gatttgaatg 300
 caataccctc tttttgnata aaattatttt attctaaaaa aaaaaa 346

<210> 298
 <211> 206
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 164, 170, 176
 <223> n = A,T,C or G

<400> 298
 tgggtctccg aggaatctca ggccgtcagc taccatcatg tatacagatg ttccatgagg 60
 aggtttgctt ggatcccacg gccagcatt cctgttcagc ctcatctcc ctctgatcca 120
 gcatcgtttc tgagacctgt ctcccaggtg gcatttctct tctnttctgn cttggnttcc 180
 gatccttaag taaccaagtg actaat 206

<210> 299
 <211> 404
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 165
 <223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 299
atatttgccc cctgcctctg ggaggacgtc ttgatggccg ccaggctgtg cttgtcagat 60
gctgaggaag cactgttggg ggcccctggt ctcagaagtt ttgtcagcct gacttctcga 120
gagataccac cagaagaact atgtctacct tgggtgtttct ccanaaatga atgctgcgtc 180
ccccagttcc aggccgtgca ctttcctttg aacatccgtc tgcctcctac atccctgccc 240
ctctgcccac atgccgctcc ttcctgttta gcttggatag caggctggct ctggccatca 300
gaaccattgc tgaccttggc tgtcttcacc tgctgggcag acacaaagtg aggccaacat 360
ctggaccagc aggagaaatt agaggccatt tgtggaagca ctca 404

```

```

<210> 300
<211> 232
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 208
<223> n = A,T,C or G

```

```

<400> 300
ggccaaggaa tatgcatga aagccctcag cctagctgag acatacgtca gtgaggagga 60
acaaagggttt attcaagagt tgctgagtgat catctcagcc gaggagaagc agccctagag 120
agcgcctgcc tcgctgggtgc tgccaggggt ggggggagggg gagtgccatt atgctgactg 180
ggcatcctct gtactgtttg tgaagtcnat agtaaaatcc tgtttcaatt tt 232

```

```

<210> 301
<211> 477
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 46, 187, 376, 426, 455, 457
<223> n = A,T,C or G

```

```

<400> 301
agacaaacta tgctatatgt tctctttctgc gcactgaaag cacttntgac agacagcctt 60
tgagcagagc tccagctccc tgcccacaga tacctaaact gactcggtga cattccttcc 120
tcattaatct ccctccatca attgggaaaa gaagtcagca ggatgaaact tcgaaacttt 180
tctagtnttt tctacctctt tctctccccc tttggaaagc ctgctggaat ttcgactggg 240
atgtttttcca ggctcctggc tgtagagacc tcagctcgct aaaaccacag ttgttttgtg 300
gctgccgccc acaggaggct acaatgatga aaaccacaga tggcctgctt tcattccctc 360
acccctgagg aatccngaga ccagcagaag gatgtgccag ggggcacatc tagcttccca 420
accttntggc ttcatttttta aggagaagat gaaanancct ggtaaatgct tcctggc 477

```

```

<210> 302
<211> 196
<212> DNA
<213> Mus musculus

```

```

<400> 302
ggtgacttag agcctataga agatggattc aatcttcata agcatgaatg ttggccagcc 60
ccagaaatct tcttctgaat ccacagagca tgtgcttggc tacttccttg cccagaata 120
gcattcttag aagacaaaga ttacataatg tgggtgacaat gtctaaaata aactatcctc 180
agcatcaaaa aaaaaa 196

```

```

<210> 303
<211> 339
<212> DNA
<213> Mus musculus

```

- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 17, 32, 38, 42, 43, 59, 65, 123, 191

<223> n = A,T,C or G

<400> 303

```
cttctgccag ctgagcncgc tgggaatggc angaattntc tnncatcact cgcctttgnt 60
acagntctcc ggggctttgg ggccttttgg cttctgccct tgactctccc tggccttgac 120
tgnggctgct ctgcattcct gggcagggct ggagcttcta attgggagct ggcacctgag 180
gcctatctgc naactggcca cagactagct ttgtccccgg ctgcctctga ctctccaggg 240
atagatcatt ctctgaaaac tcactctgca ggatccgtct tccaagatcc gtctccaaga 300
tccggaacct gaagccagaa tgtctggcag ggctaactt 339
```

<210> 304

<211> 267

<212> DNA

<213> Mus musculus

<400> 304

```
gagatgcctg ccttcctgtg ccgaggacac agagataaaa attcacgaaa gaactcactc 60
cccactcctg ccttgtaaact ttcaccaagg acaccgggaa gagaagaact ctttccaact 120
cctcccaact ctttcaactc ttcagctagc tgttaaaagc cccctactgt caccgcttgg 180
gggtcgaact cccctgccct gcatggcgga gggacttcgt cctcagctag ctgataataa 240
aacctcttgc agtttgaaaa aaaaaaa 267
```

<210> 305

<211> 385

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 66, 83, 97, 119, 129, 260, 270, 289, 290, 292, 293, 340, 353, 357, 359

<223> n = A,T,C or G

<400> 305

```
gtttccttca atgccgtatg ttcctgcctc catggcttct caggaactct catgcacaac 60
ctaggnccgac taccactact acngttacca ccaacancac taccacgatt acaagcggnt 120
tcaacctgna tgtgagacca cctgcacac cttggctgaa taacactggc ttgatcaatg 180
tggtctctat gccttctacc atgactgtga actcaatagt aactcctgtg atgacatatg 240
gacctctgga gagtatggcn aacaattggn actatcagct acaagaacnn gnntaacact 300
atTTTTatca ggccaaccaa ttcaaactct tgggaaccan gccctgattt gantctngna 360
atgagatttg ctcttttagt atcca 385
```

<210> 306

<211> 274

<212> DNA

<213> Mus musculus

<400> 306

```
gattaatgtg cagctgtcct cctgggtgga agagattcct ctgagcttgg atgtgtactc 60
acaaagggac attgaccaag aagctcttca acaaattccat ttatataagg ttctctagca 120
ccaaagcaac ctagtgatac ctttaacccat atgcttttga tattcccttg caaacatgac 180
cgtgtgccag taactagtct tgtgtgacta tgcataatgca gtagtcgtat gtggatataa 240
ataaactatg ataagataac taaaatataa aaaa 274
```

<210> 307

<211> 287

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 22, 51, 139, 168
 <223> n = A,T,C or G

<400> 307
 ctggagaact atgaggctgc angaatgtaa caacgtcccc agagttgctg ngaccttgtc 60
 cctccatcta ccggacaatg aagtacagtg gtccaggcta gccacaccttc ctgggctgtc 120
 tcatggggac ttggatgang caccagatc ccagcaatca agataacngt tcaaggactt 180
 tgggaataga gacaaaagca ttaagaagtt caaggatagc cttggctaca tgtttaaccg 240
 gggctacttg ggactctgcc tcaaacaaaa caacaaaaca aaacaaa 287

<210> 308
 <211> 299
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 26, 32, 71, 82, 126, 128, 179, 199, 203, 213, 268
 <223> n = A,T,C or G

<400> 308
 atgctgtcct cataaatttn atgganaggc cnaggaggaa ctacttaaca tcttctggct 60
 gacaagagct nacggtgatg anaatgcttt ttctgtgatc cactacgtcc tacaaacgtg 120
 agattnanag ctagcaagag ggctgacaac ctgagttcaa gccctgggac tcacatggng 180
 gaaagagaga gcgaacttnt ggnacctatc ttntgagatc ccccggtgat gctgagacac 240
 agtcctctcc cctttcccca gataatantt gagatattaa aaatttaaaa aagcaaaaa 299

<210> 309
 <211> 146
 <212> DNA
 <213> Mus musculus

<400> 309
 gggccctgtg atgcatatct tctttattac cttcagttga agatgtctgc aaacccttgg 60
 aatgcgccct aagttttaga agtctgctgt tatctcagaa gcaattaagc agtcccatta 120
 taaaaggctc ttgcacaaaa aaaaaa 146

<210> 310
 <211> 512
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 144, 343, 473, 474, 492
 <223> n = A,T,C or G

<400> 310
 tttgaagacc tttctaactc cagcggggcc tgtgactaac cagtgcagg caaatcaaac 60
 cctcaaacaa gtcataagaga gattttaccc gaaaagggtac cgagaagggt gctctgagga 120
 gcagctaagg cagctctacc agcngactct caaccaaatg gatggccctc cggggacaca 180
 gtgcggctga ctgcattcga atttacttga cagtagccag gaagtggccg ttctttggcg 240
 ccaagttggt ctttgcaaaa ccaatagcac catcatcact tggcaataat tgcgtgtggc 300
 tggctgtcca tgaaaatggg ttgagcatcc tagaatacac ctncatgaga ttagtgacca 360
 gctatatgta caaagggtctg atgacctttg ggggctatca agaggatttc atggtagtcg 420
 ttagtacaca gtcaaaagac cggccaacag agaagttact ttttgcgatg gcnaaacaca 480
 atgatttttg anataccct tctgatcgcc ag 512

<210> 311

- REPLACEMENT COPY -

<211> 456
 <212> DNA
 <213> Mus musculus

<400> 311
 gtccttggat tacactggct gctctcctga ggtaaacttg cggagtctat aattaaatag 60
 aaaaaagcat gtcagcaagt tcacaaggctc aatgctacag tacaagatgg agtcaggatc 120
 acagaatgac atcactacta tcattcttcat ctcattgaagt atgaacaaat cagtagagac 180
 cctattgtca aagtccagtt ttgacatgac tcgggtctgaa gtctgaagta ggtgtgggat 240
 cagcagaaca tggacacagg aatcttcttg atagttcagt caagttctct cttctttatt 300
 tccccccaac cccagctta tgttcctcag caaactctca attacagtgt ggctatatc 360
 tatttttctt taagtgaatg attacaatga atttcctaata acctttatgt gattaaatgt 420
 ttacatatt acaggtgaaa aaattcctaa gaaccc 456

<210> 312
 <211> 252
 <212> DNA
 <213> Mus musculus

<400> 312
 agctctcagc ctgacctgaa catctgaggt tgctctgacc cgatgccgtc tgcccctctg 60
 atactcagct tctggatcat gaacctcgaa actttttttt agagggctgc cccaccact 120
 gctctctctc ctccccgcct cacaccaccc tctccccctc tccatagtga gttagaagaa 180
 tctaaagga ttggctgcgt tctctgattc tgtggaactt cttataaaat cattgctcta 240
 caagaaaaaa aa 252

<210> 313
 <211> 192
 <212> DNA
 <213> Mus musculus

<400> 313
 gttgaagatg gctcccagac cctggacagc aaggaaacag caactctcct acatctggac 60
 caacatctcc atgcccattt tcttaggttt cccagagaca cagcgtcca aagtcagcag 120
 gaaacaacta aagatcacta tgcccctaata cctgcttcac catcatctct agtttttctc 180
 ttttttttta aa 192

<210> 314
 <211> 318
 <212> DNA
 <213> Mus musculus

<400> 314
 gacagcgcct gactgagatg gaatgttctc aggaccagct gagggatagc ctccaaagcc 60
 tgcaacttct ttcaaaaaca ccaggatctc ggagccagcc cctgcctctc aaagcaccat 120
 gtgtcaatgg agctgatctg tcaatgggca cttgagcatt tcacccact ccatatatgg 180
 tctggaagcc aagagagcca ctacagagga ttttctgact gcctcagccc ttcattggcct 240
 tcagtggggg acagagtggg aggtgtcaat cactctggta actgtgaggt tgcccagtaa 300
 atccatttca gaaaatca 318

<210> 315
 <211> 169
 <212> DNA
 <213> Mus musculus

<400> 315
 aggacggagt tgtttcgatc tcttttcggc cagctcaacc ctctgatgc agaccgtggg 60
 aagtgcagct agcatcctct caggcccgac ctacgacag gaccacctg ctgcctccaa 120
 taaaatgatc aaaaactaca ataaacctt ttttttttaa aaaaaaaaaa 169

<210> 316

- REPLACEMENT COPY -

<211> 446
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 393, 404, 407
<223> n = A,T,C or G

<400> 316
gtggtggaag accaaagaag agacgacctg ggcccatcca cctgcctcac agcctgctgg 60
actgctctgt gttgctgctg cctctgggac atgctcacct gatcacctga tgagcccagc 120
tcttccgctt ggccgctctg tgccacctcc gataagtgtg cctggcccca tctcttctga 180
ttgctataaa gtggctagct ctgctgcagac acctctactt tctgtcctat ggagtttttag 240
attagtggagg gttactgcta tttagttcag tgacttgatc tttttaatgt tcaaaactca 300
tttcttactg atcttttaaaa aatgtgctaa ataatttact tttttggcca aaggcttagt 360
tatgaaatat atatttataa tggtttaaatt atnccctcaa aggnatngca ttatgggacc 420
cactattaaa tctctctgtc ataccc 446

<210> 317
<211> 213
<212> DNA
<213> Mus musculus

<400> 317
ggagtgggttt aagatgagga gagccctttt ccgcagacac agcaggctga tgatgttctg 60
cgaactgcca ccgattacag agaacaactc tccctgaaga ttttggagca gcacttgagt 120
gcctcccttg tcgtggagcc atgatggcca ggacaacctt tacttctcta taattatttc 180
aacaataaag atgagcattc tgaaaaaaaaaaa aaa 213

<210> 318
<211> 188
<212> DNA
<213> Mus musculus

<400> 318
aggacctatg aaaagctgga gatggcggca tgcattctgga atccctgcac tctgtttcatg 60
ggccgagaag tatagaaagg aaaatgcccc aggaagcttt acatgagaat gtaacacagc 120
ggcagaaatc acaagatact ttgcctcaaa tgagataaaa gatgagaact aactcctaaa 180
aaaaaaaaa 188

<210> 319
<211> 182
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 42, 55, 60, 66, 68, 95, 106, 139, 152, 153, 158
<223> n = A,T,C or G

<400> 319
aatgtgctcc caggtggacc cnctgatggc taagcttttag anagctgaca gggngnggtcn 60
tggctnantg gcacatccca tgcttcatgg gctanattca ggggcngatc acacttggtta 120
cgataagagc ttacatagnt gtcttcgaaa gnnctggntg ggatggcact cgggtgtggtc 180
gg 182

<210> 320
<211> 173
<212> DNA
<213> Mus musculus



- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 21, 32, 46, 67, 125

<223> n = A,T,C or G

<400> 320

```
atgacagctg gaggacccag ngtgtgatgc tncatcgac tgcctncact ttctcccaca 60
tggcccngga acttttgtgc ccaactttct tcccttcctg gctccctcct cccacacca 120
tctgnctgcc acctcccaca tgacacctca aataaatccc ctttgggttt ttg 173
```

<210> 321

<211> 420

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 28, 39, 44, 49, 54, 55, 59, 66, 67, 72, 76, 77, 85, 86, 90, 91, 93, 96, 100, 106, 107, 126

<223> n = A,T,C or G

<400> 321

```
agatgccgct ggagctgaac actcctcnca cactgatana tgangacgnc gtgnntgang 60
aggacnntca tnatgnntat gtaannatan nantntatn tatacnnaac atgccgtatc 120
tgatangaga atctataaca cctccatcat gacaaagaaa tgggtgaagaa gtcctcagaa 180
ctgcaggaag gatttgttga gactgtgagc acattcctct tctccaaacc tctcctggaa 240
tgtcctagaa ggcccaggaa ttcccccaaa gcactgggtc ttcctatggt caaacgtcag 300
caacctccac caaacatgat ggaggaaagc gtgaatgttg tcactatgac ggaagttcag 360
ctttagtccc agttaacaaa tattggcaat aaatcaaaac aggaaaaaac ctaaaaaaaa 420
```

<210> 322

<211> 207

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 36, 37, 40, 42, 60, 85, 91, 110, 118, 128, 141, 185

<223> n = A,T,C or G

<400> 322

```
acattggatc tcctacaatg atgaccatgc tgccanntgn tncgtgctga gagcgggctn 60
agtacataa aggaccagtg actgncacat ntgcacctc cctgccccgn ctgtcagnca 120
gtccgttnca tgggaatggg ncgcctgggg tgggtgcact cctaaccaga atggcctcag 180
acaancctgg cttcttttac ccgcttg 207
```

<210> 323

<211> 305

<212> DNA

<213> Mus musculus

<400> 323

```
aggagataat ttaacccttg aaaacagaca ctgtgccaaa tccacagccc aatagcggga 60
ccgccccctc cacagaagag gtccagccag aggctcctgg ggagccaccg gaggagcctc 120
ctgaactgaa gagaccagc cttgagggaac gtgaaggaga tgcccaaaac ctggccccctg 180
atgactcttc caagactgtc tgagcctgct atgcacctgc gtgcagagga ggcaaggcca 240
aagctcgaag gctgggtgatg gtggccaaat aaacactcat gaattgggtc acatagaaaa 300
aaaaa 305
```

<210> 324

- REPLACEMENT COPY -

<211> 128
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 62, 110
 <223> n = A,T,C or G

<400> 324
 tcccctctcc tggcctgtgc tccctgcagc gtganctgct ccctcctttt caacgagcga 60
 tncccatata atgacaagac attcctcaac ctcattggacc ttttaaatan aaattttttac 120
 caactgaa 128

<210> 325
 <211> 165
 <212> DNA
 <213> Mus musculus

<400> 325
 ttaagatttc ccagggccag tgagatggct gaacggccag aagagcttgc tgccaggcct 60
 ggccacctga gtttgatata tgcaactcac atcgtggaac aagaggatca acctgtgagt 120
 ggtcttctgg ctccacgtgg gcatgcacca atacaaataa aaaaa 165

<210> 326
 <211> 256
 <212> DNA
 <213> Mus musculus

<400> 326
 gatccccaga gtaacagctt gtccttcctc aaggctcttt gcttaggaag aaagcaaaga 60
 atagaacctg caagatggcg tattcccttc caatcctggc ggcctgagtt tgatcccaag 120
 atccacacgg tagagggata gaactgactc ctgcatgttg gcctctgacg tccatacata 180
 ttccttagca tgtgtgtatc tctcctctct cgaaaaataa taagaaaatg caataaaata 240
 gagaaagaga gagaga 256

<210> 327
 <211> 279
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 32, 37, 42, 53, 55, 56, 58, 70, 71, 75, 77, 80, 82, 93,
 108, 139, 148, 177, 178, 192, 206, 211, 227
 <223> n = A,T,C or G

<400> 327
 accacggaag cactgaagca ctncacttga anatacntcc anacccatgc cananngnct 60
 tgaagcatcn nttcngnggn anactcagct ggnggggtgac aggatgcnac taccagagccc 120
 tggctggggc cgtctctant gcggtcangg atctattggc tagaagagtg atgactnnat 180
 ctacaggaca antctagcaa cactgnctaa natattctac tgaattncaa agtgctctga 240
 aatttttaaat aaaactttga taatcctcaa aaaaaaaaaa 279

<210> 328
 <211> 492
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

- REPLACEMENT COPY -

<222> 34, 37, 54, 82, 125, 185, 203, 287

<223> n = A,T,C or G

<400> 328

```

ggcagccctg aagctgttga agacagtgct gcanctncgc cttggggagtt tggnttgcca 60
gactgctctg ctcttccacc tnaacagccc agggggccagc tgtggaccct ggcacatgtc 120
atganagggg cagttttgct aagcctatgt ctacaacagt tatttggggg tgtgggcacc 180
actgncacat tcactgtgat gangcactgt agccagctag cacccaagag ccctgcaggc 240
tacacattac agcttcctgg ccactctgga actggttgggc aagctgntcc caggtaccct 300
agccggcgctg ctggccgaca gcctaggccc acatctctgc tttgctgtct tccttgtact 360
ctcagccctg cctgttctgg atctccgcct ggcacccagt aacctgacct gagctggatg 420
ttgggttaggg ctgtctataa agccaataaa gctatgtatg gcctggatgt ctgggacaca 480
ggaaatgcag ct 492

```

<210> 329

<211> 178

<212> DNA

<213> Mus musculus

<400> 329

```

gcttaatgag gagctccacc ggcgctcttc agtggttaggt aaaacagcaa ttattacact 60
ttgtgtgtga attttcatct ttgtgctttc taggtgatat gctgagttaa tgtttctgtt 120
acttgggaaca gtccagttacc cttcagaata aataaaaactt acttatgtga taaaactt 178

```

<210> 330

<211> 107

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 44, 45

<223> n = A,T,C or G

<400> 330

```

gagacctatg agcgcgtaag caagaggctg gcttgagcta ccanngctgg gcttggaggg 60
gctacgaccc accaataaaa gtgtttcatg gatcaccaaa aaaaaaa 107

```

<210> 331

<211> 415

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 356

<223> n = A,T,C or G

<400> 331

```

ggttttacct gctgccactc agagcaatga cccggatgcc atccaggaca tacctggctt 60
cctgattcta cttggagttg gacatctgac actaaccagt tgcactggac aagaccctct 120
ctcagagaac tcaaaacata cctcgggacg tcattcattc attcaatcat gccttctgta 180
atacggctat cagaagaagg aaaatgaaga caagaaaaac aactgtgatg tgggcagcag 240
gtacctgggg gtggagggtc ttattgcctc tccaggggtg ctgcctgaga caaagatcct 300
cagtcaaggt acagaccttt gaaatacagc tagaaaagtg ttctgaattg ggctgncttt 360
tttaaaaaga caaattacaa cgtcaataaa ggaaataagt ggttaaaaaa aaaaa 415

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<210> 332

<211> 413

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

<400> 332
gagagtagca cgcctcctggt caggactcct gcctcagtag ctccagactt catgttggga 60
agatatactg ggcacctgga ttccacagat tggaaatata agtctgacaa cactcaagag 120
caggagtgtg gttatttctg ctgagccttg caaaagtaaa catactacct tcaacttaga 180
ctccttgggt agtggactat gaaaagccac atgtacaaac cattactatc catgtgacat 240
ctcaagatct cttgctggac atatatgaaa tcctctagga ttctacgtac ccaggtacaa 300
tgtcagttct cttgagctgt gcttctctaa gctgcagagc catgttagtt gccatggata 360
cactgcgata tctgctctag gactaatttc acacagacca agatgccagc tga 413

<210> 333
<211> 239
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 41, 46, 51, 61, 64, 74, 85, 86, 89, 91
<223> n = A,T,C or G

<400> 333
cctcgcacac tctcattata gcagatcccc atactagaat ngcctnaaaa ngcacaaaat 60
nganatggcc aatngacagg ataanncana nggaactggg tcatatgatc aactgggcaa 120
agagagtgcc aggttaaggat gctaaactca acttctatgt taagagttaa taactttcaa 180
cagtcagctg tgggtactgtg ggggggaaagt agtagtgtgc tatgggatta gggagatgg 239

<210> 334
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 20, 78, 88, 98, 347
<223> n = A,T,C or G

<400> 334
ctcttttgtgt tcaagtctnt tctgcgccac ccaccggaga atgggaagcc gaacatactg 60
aactgggtacg taacacantt ccaccgcnct cacattgnaa tccaaatgct gaagaacggg 120
aaaaaaattc ctaaagtaga gatgtcagat atgtccttca gcaaggactg gtcttttctat 180
atcctggctc aactgaatt cacccccact gagactgata catacgctg cagagttaag 240
catgacagta tggccgagcc caagaccgtc tactgggatc gagacatgtg atcaagcatc 300
atgatgctct gaagattcat ttgaacctgc ttaattacaa atccagnttc taatatgcta 360
tacaatttat gcacgcagaa agaaatagca atgtacacat caccttcttt atatcttact 420
tt 422

<210> 335
<211> 311
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28
<223> n = A,T,C or G

<400> 335
ctaagggtgt ggggtggcaga gagaatgnca ctcgataacc tcctccctc tcctggaagt 60
ggtgaccaga cattgccgga tcatgcgcct ttctaagcct gtcctagctt gccagccaca 120
gagtacagaa gcacacgctc atcatcacag ctgcaactct gcatgacaga gccaccagcc 180
agagacagtg aagagctggg tttgaagaca gtcataccca tgttcatgca gatgtggctg 240
ccttggcatg aattagagaa cagtcttgta cataaatgtt ttacactaaa gttcgtagat 300

- REPLACEMENT COPY -

gaagcagaaa a

311

<210> 336

<211> 140

<212> DNA

<213> Mus musculus

<400> 336

gtcgtattac	caggacatgt	atgtggccaa	gcaaaacaga	atcttcaaca	gaagagatgt	60
gtgagaatac	aaatattttc	aaaatatgtt	caaaaacagt	tgaaataaat	tctacaatgt	120
caggacgatt	aaaaaaaaaa					140

<210> 337

<211> 406

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 33, 36, 42, 139, 314, 382

<223> n = A,T,C or G

<400> 337

ttgcaccaca	tttatgatct	gatgnccgaac	acngantatc	ancggtcac	accatcatgt	60
ctataatcct	gtggtacgta	agtgagacct	gcctgaactg	taccactct	caggactctt	120
gtctacagac	acgcttcana	ccaaagctga	aacctctgtc	atcgcagata	caaggattct	180
cccttgtgat	ggatggcagc	cacggagacg	taacagtgtt	taattaatgg	aaaccagaa	240
aaggaggaaa	tgatcatgga	ggctgtttga	gatctaggga	tcccacaagg	gaatcccaca	300
ggctctgcct	tagntgtcct	gtcccttgct	ccttccctca	gtagattatc	tgtggtaa	360
agccaggaag	aaactgacaa	gnaattctac	tgtgctcgtg	gagaca		406

<210> 338

<211> 387

<212> DNA

<213> Mus musculus

<400> 338

ggcaatggac	tccaggaagc	tgctgctcca	ccgcccacat	tgctgccttc	tgtgcatccg	60
tcctcatccc	aggcctgctc	ctccacctgg	ctcagcgagg	cagagatgat	cgcccttgct	120
ggctctgctg	agatgagcca	gggagagcag	acacccaact	gcgtggcaag	ctctctgcct	180
tccaccagct	gcccagaccc	tgtctctgtc	tctgaagacc	caggctccag	tggtgaccag	240
agctgttctg	ggactgacac	atgaaccaca	tagtacccca	ataaccacag	tccatagtgt	300
accctgcccc	ccactcctcc	acgggtgctt	tcttctcccc	caagctgttt	tgttgacaat	360
aatcagagt	ttgcaaacca	aaaaaaa				387

<210> 339

<211> 444

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 37, 65, 70, 74, 75, 78, 88, 90, 91, 134, 261, 402

<223> n = A,T,C or G

<400> 339

ggatctcaca	gttctcagga	cagtgggtga	cccgtcnagt	gttattaact	catttcacag	60
agganggaan	gaanncanga	cttaaganan	naagaggagg	cccaagggtc	gggggcagac	120
ctaggagaca	gaanatgttc	aaccagccc	tagggttcaa	aggtgtgggc	gatggaacag	180
aagtaatcgg	catcatcctc	cgggagcacg	gggctgatgg	tgaggataca	ggcgttgtgg	240
gctgcatcca	cggtagctga	naatctgtcg	gggatgtcag	cgggccgata	gtgttcctct	300

- REPLACEMENT COPY -

tctgcgtaat agtagagaag atggggagca cttcctggct gctgctggta ccacgacacc 360
ccaatatctc cagcgggtggc atgctgggaa ttgatgggtgc anctgagatg agcgtcttgg 420
cctgggaaga ctgagaacgc gtta 444

<210> 340
<211> 101
<212> DNA
<213> Mus musculus

<400> 340
gaacctgtct ctctcctggc tatgagacgg aaatgtagaa ttctacacat ctacgggtgta 60
ccaataaaat gcttatgtcc atttccacca taaaaaaaaa a 101

<210> 341
<211> 385
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 18, 36, 43, 55, 56, 60
<223> n = A,T,C or G

<400> 341
gaaaagaaat gtaaanchnaa gccatacatc aggctnctgg tangaagatg gcacnngcan 60
taagctgacg gtgatctgta ggaatcatct tgtggcaagg gcactagggc tgagtcctag 120
tgagtgggtcc tccatcctcg agcatgccag ggggccgggg agagtggcct tgcagtttac 180
agggctagga ggccaaacag agtctgcaag caaaacccat gagcccttga cctgctcct 240
ccggacactt tgtaccagcc cctttgtcct ccgacccgtt aagctttctt ttgcacttga 300
aaggagaccc actgatattt tcccacgaga accgtcccgg ctgcagcagt tccagtgtgg 360
agagctccct ctgctgacca gagtg 385

<210> 342
<211> 140
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 24, 25, 26, 44, 45, 46, 57
<223> n = A,T,C or G

<400> 342
atacttgtat tatcatattc nttnnnttat actgggaact gccnnnaaag ggatgtncctt 60
tatgtgacaa acttccagca aacttgtatt ttcattattcc ttatatttca ctgggaactg 120
ccaataaagt ttgtacttca 140

<210> 343
<211> 439
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 29, 30, 60, 104, 111, 121, 173, 174, 218, 250, 345, 354,
381, 396, 408, 416, 418
<223> n = A,T,C or G

<400> 343
cccgttactt ttggaccatc atcccanncnn gaaggatgga tggatccgtc ttgcctgaan 60
cttgacgcct cacagagtct acaggtcaga atatgagtac aaanaggctg nggtgtgaaag 120

- REPLACEMENT COPY -

nataacaaca	taaaaaacaga	attctaggcc	tttaggccca	ggcttggaaa	tgnngccttt	180
gtaaaggat	gctaatacata	aaacagatag	caacatttct	ccaccacccc	gcttcctggg	240
ttcaaagagn	gctcattcaa	agaaagtcac	ccagaacctg	caatgcaaat	gtgctattgt	300
tagggactct	taaaagctgt	cttgagagtt	aacaattacc	aggtnattcc	ttgngactct	360
tgtaacttta	cacttccttg	ngactcttaa	ctggtnatct	ttggtatntt	ccaacntngc	420
cctttccact	tccttaaac					439

<210> 344
 <211> 299
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 111
 <223> n = A,T,C or G

<400> 344						
ggttccagag	acaccacac	tgagcatgga	ggcctcccga	gatgaagagg	aaactgaact	60
ttaccggcgc	ttaggtggcc	gcagtggaga	ggcagagggtg	tgagttgctg	nctgggggct	120
cccagggtc	ctgcccacac	cctgacttct	tctaagggtca	ctcaccgtcg	tcgtctgacc	180
ccatcagggt	ctgctgtcgg	aggcgggtgac	tgtcagtgtg	gaacagaaca	ggagagaaga	240
aatgagtggt	caaaggacag	cccagagtca	ataaataaac	agttagtaaa	taaaaaaaaa	299

<210> 345
 <211> 229
 <212> DNA
 <213> Mus musculus

<400> 345						
agctctctaa	ctgatgggga	ggtatggctc	ttctggacac	agcatccact	actggaatgc	60
agaatggcca	gcatcagcag	gaaactgatt	gtcctggccc	tgaaacccca	tcacccatct	120
atcaagaatt	aagtgttggg	ctgggggtat	caggcacgtg	atagaacact	tgccctcgcat	180
gtgtggggcc	ctgaaagtaa	agtgcagtga	taatgcttaa	aaaaaaaaa		229

<210> 346
 <211> 301
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 260
 <223> n = A,T,C or G

<400> 346						
ataaaactaa	agctaattggc	tttatgtgat	ttacccaagg	tgaaattgtt	tggtgaaaca	60
cgggtccaaga	atggagtcac	atgaggagaa	ttctgagtgc	ttacttgtga	gaaaactcca	120
agaaaacggg	acaagagtct	tgtgacctca	ttttcttcaa	aaacacaaaa	ttgttcttgg	180
aatgtgtttt	catgctcttc	caagtgtagt	agataagagt	gagtttattt	aataaataac	240
aactggctat	tgttatttgn	ttatatgcct	ctatgaaata	aacgtttttg	ttgtgtgcaa	300
a						301

<210> 347
 <211> 148
 <212> DNA
 <213> Mus musculus

<400> 347						
cagcttattc	tgtgcggtgg	cagcatttgg	gtgtttctac	tattgaatcg	ttgggaagtg	60
tgacttcaag	gaaccttaac	ttttttatat	tgttaaattt	cctgaccaa	taaaaacaag	120

- REPLACEMENT COPY -

ttggcacttt ggtacctaaa aaaaaaaaaa 148

<210> 348
 <211> 202
 <212> DNA
 <213> Mus musculus

<400> 348
 ttaaagggtc ccgggcacaa gagaaaaaag agagagagag aggagagaga gagaaagaaa 60
 aaagccactg ggcgattgaa atggtcgcat tgagatgcgt ggagccggct gcagcgcgcg 120
 gactcactca aggggtcaag tgacggacgg attgttcgct ccttcataat aatattaatt 180
 aaacaatttg catgctaaaa aa 202

<210> 349
 <211> 278
 <212> DNA
 <213> Mus musculus

<400> 349
 aggagcgcag accctgaggt ctatgaaggt tgggacctgc ggacacgaag tagcataccc 60
 tttggagaac cagggtaggg ttactctcca gatcagcaga aggcctagag agggaagggc 120
 tagctttctt taatggcaac ttgaaatcca gcccatcttt gatactgact atggaattaa 180
 ccacctttct ccataaaatt ctctagtctt ccttggaac cctgcaaaac ctatgagtga 240
 aacataaaat aaactcctcc tccctttaaa aaaaaaaaaa 278

<210> 350
 <211> 242
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 18
 <223> n = A,T,C or G

<400> 350
 aggccctcta cagtancnac tcctgaacag atcaagtttc aggaaggctg acctctgaca 60
 aggctaagag ccacacccag aagaccagca cccacacctc agctgcctgt gcctttcttg 120
 agttatagct gccccgagtc gaagtcctag gagatgagcc ccctgtctgt ctgcactgat 180
 ggattctaaa ttttgttttt gtttgttttt aatttaaagt gagttttata tacaaaaaaa 240
 aa 242

<210> 351
 <211> 397
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 30, 47, 52, 88, 324, 330, 335, 336, 337, 347, 369
 <223> n = A,T,C or G

<400> 351
 tcgcctgccg cccacccgca ccctatattgn gcttgagggtg atggacntga anacaccgga 60
 ccggcgactc ctcatectgg gactctgnta ttcggctgtc tccgagctgc tcccgcact 120
 cctgggggtg gcgcaggaga ctcccgtca gaacaagaac aagtgagtct gcttggtgac 180
 tgccctgtgc catgggcact ggctttacac cccaacggcg tgcacacgag tgtgccctct 240
 gcacaccaag ctctgtggac acgagtgcag ctctgtctt gcctgatgcg gtatctgaca 300
 acccagtgcc ctatcgctgt cganaacctn gaacnnnttt ccattcngga aagtgggtca 360
 gccatccanc aacagttcca gcacgcttc ccacggc 397

- REPLACEMENT COPY -

<210> 352
 <211> 304
 <212> DNA
 <213> Mus musculus

<400> 352
 tcttggtttcc cctggtgcatc aaatcacatt ctgcctgctg ataggactct tgtttgcaat 60
 agacacagtg ctgtatttct ctgtgctggag gggctcttcaa agtcctgtgg ctgactatga 120
 ggaacccaag attcaatgga gcaaggaacc tcaggacaag tgagctctta tcgcatgcga 180
 tgataagagc aatggtgtag aacccatgag cctccctggg agcttgcaac ctcaccagct 240
 gcattggtca ccatgctttg agcagcagaa ataatacaaa ggccccttcc ccaactgaaa 300
 aaag 304

<210> 353
 <211> 311
 <212> DNA
 <213> Mus musculus

<400> 353
 aggagagaag agtgctcgct ggcagatggg actccctgcg gcagtagttc cagccagaaa 60
 gtgccaatca tttattagaa gggtcggggc aggaactaga actaaatttg cttctcagtc 120
 ccaaacctga gggagagact cttcaggata gagacatcaa ggaatagacc ttcaaaacta 180
 ggaccggggt tcatctctca ggaggaatgg gaccactgag caagaagagg caacagcctt 240
 ccctgtgaca gcttggctca ctgcctttga tcaactttggg tgagtgcctg ccaaaagaag 300
 atgtttgtca t 311

<210> 354
 <211> 361
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 28, 38
 <223> n = A,T,C or G

<400> 354
 gtaacgcttg ccacagtgcga gaagttnttt caacctgnca ggcagaggaa gcctttttgat 60
 gacgcaaaat gtgttgagtc agcaaagaag attttctagtt aattcaggca actataagta 120
 catagccccc acaaagccaa ccttctaaaa ttttgcatca cattgaagtg ttttgactaa 180
 gtgttgaccc tacttagaaa gctaacaagt tttctaaggc gtctgtgtca attcaggtag 240
 acatgactga cgaggaacgg ccggatgctc tctagttgta gttaaaattg aaatcatgat 300
 cacttcctcg gatatttttct tactgttcaa taaaacaaaa caagcttctt aaaaaaaaaa 360
 a 361

<210> 355
 <211> 293
 <212> DNA
 <213> Mus musculus

<400> 355
 ggggcaggaa attgacagaa cgtttgcctt agcacaatct gctgtatgaa acacgaacgt 60
 ggaaagcagt gcctgtaaac ccagaactca ggagagtcag aggttcaagg tcattctcag 120
 ctacacagtg agtctggggc cggcctgagc aacatgagaa ctgttttctt ttctatatgt 180
 tcacaccaag cttctatgct cccttgggac ctccgcctta gctacatcaa gctgtgacgc 240
 actcaaagga accgttatcc tatcaatccc taccatgctc aataaaaaaa taa 293

<210> 356
 <211> 364
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

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<400> 356
ggatgattct gacagctaac tagctttctg tgacggtgga gccggggagg aggccggtag 60
ctatcttctg tcatgctgaa aaactgggat ggtgccttct tcaactactt ggtttgcac 120
aagatccaca gagacctctg aactcttcca gaagctcttt ctgaagggtg cccctccacg 180
tgtaggtct tcctcctggg cgcctgcctg agcgtgctcc tgcatacagg ggggtgggac 240
gctgaccgct ggggctgact tcccactgac tcgacttaga atctgtgctt gggatgattg 300
ggtgttgga catgtgttca aatgtggcaa agcaaaggcc aaagaagaaa gagattatta 360
taaa 364

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<210> 357
<211> 641
<212> DNA
<213> Mus musculus

```

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<220>
<221> misc_feature
<222> 26, 114, 116, 129, 152, 294, 378, 381, 384, 386, 397, 403,
406, 419, 422, 436, 444, 449, 450, 460, 470, 472, 473, 486,
500, 501, 502, 510, 511, 513, 518, 520, 522, 528, 529, 532,
534, 537, 541, 543, 547, 548, 555, 557, 559, 572, 586
<223> n = A,T,C or G

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<221> misc_feature
<222> 589, 591, 597, 609, 622
<223> n = A,T,C or G

```

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<400> 357
ccgatttata cactaacatc ttccanattc tgaaacctga tgccatcaca tactttgggc 60
tgagaaaaga aaatcaaaca tttgtttgat gcagcctccc tcctcagcc ttcnancagg 120
ctgatccana ctttgacctt gctgccgcta anaagcgatt acctagggtg gagccttctg 180
accttgatgg ctctatttgc tcttctcctt gactctgctt ccagctgaaa ggtccctgac 240
acagtccaaa gacacaccct gtagatcgcc taagggtctg ctccaggtag caanaaatgg 300
gttggcaggg gatgggcctt cccccttata agcacactct cttaataaac tcgggggcct 360
tgaaccgaac aaataatnct naanantttt ttcccanttt ttnatnatnt cccttccent 420
tncccccttt tcctcnttgt tcctttctnn tcttctctn ctcttctcctn tnnctcccc 480
ttcttnttgc tccccctttn nntatttttn ntncatcnct cnttttctnt tntntcttcc 540
nncctanncg cccntntnt cttaatcttt cncctacccc attttntnt ncatctngtt 600
ttccgcacnt ttccctaggt tnaccagttt ttcctcgtac g 641

```

```

<210> 358
<211> 280
<212> DNA
<213> Mus musculus

```

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<220>
<221> misc_feature
<222> 35, 41, 53, 65, 81, 85, 230
<223> n = A,T,C or G

```

```

<400> 358
gggtagtaaa aaggcagaga ctgctggcag gaggncttgg naagagagac ctnaagaggg 60
agatntggcc taccacaatt ngganaggaa gagagatcac tttacgccat gatcatatca 120
tccacctcat aagtatccat aaaactcttc tacagtccac agtgcagAAC tccctggacg 180
acttctgccc ttggggcagc cgactgccat ccaactttgg agtatctgcn ttgcttagct 240
ttgctaaata aatttctgct tatattgaat ataaaaaaa 280

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<210> 359
<211> 265
<212> DNA
<213> Mus musculus

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- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 129, 131, 134, 148, 149, 155, 168, 178, 185, 196, 197, 199,
210, 222, 223, 249
<223> n = A,T,C or G

<400> 359
ggtatgggaa gagagccgag gaggagaaca caggtggact tcctggagtg cagctctccc 60
cctgcaccag cccccagtt ggcttgattc cctgctctgc gccctggagc tgaaggcagg 120
gagctctgnc naanggactt gcagcctnnc ttgtnttcag cccgtggntg aaagaaanta 180
caggncacgc tctttntnt gcaggcttgn aacaacctgc tnncttgcaa actaaataaa 240
gcaaattana atcataaaaa aaaaaa 265

<210> 360
<211> 349
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 272, 274, 280, 284, 286, 289, 291, 293, 295, 298, 301, 306,
313, 315, 321, 327
<223> n = A,T,C or G

<400> 360
atgaggaagc ctgaacgtca acactctgcg cggagacttc ggctctgcag ccttccttcc 60
acggtgggtg gcatcttgcc aatttgcagg accaagaaag aagcccagct gctctcagag 120
gacccgaact tcaattttaa acccacctcc tctcattgtg tccggccttc tgggcttaca 180
gcatttcaat aggagcgggg tgggggtgggg tggggtagct ctccaatggc tgaccgcact 240
cttaagagat gatttaattt ccttatcctt gntntctcan aacngngtnt ncntnagnta 300
nagggntcaa cancnttgcg nactttnaag ctgaataaaa ccccttttc 349

<210> 361
<211> 273
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 120
<223> n = A,T,C or G

<400> 361
acacatcttg atttcctggt aaacaaactg agaggcacgg tggagcactt ggtgcgccgg 60
taaccgagag agctcacgtg accacaccgc gccagcatgc aaacatggtc cttatgtcgn 120
cagagaaaaat ggtgaatgga attcctgcca cacagacgta tgtcaagaca aaactattat 180
ttcaactatt tcaaaagtgt atgcacgact gtgttaggtc ccacaacagt tcacatttaa 240
acaaataaaa cgttgaagag aaacagaaaa aaa 273

<210> 362
<211> 238
<212> DNA
<213> Mus musculus

<400> 362
gtgggccc caattccagt gcagcgaagc cggaggccca gccaggaaca ggtggaccag 60
ttgcacgagt tatatgtaga gcatctcaca cggctgtttg aagaacacaa gatgcactac 120
gggatccctg ctcacaaaca ccttgtcctg atgtccatgt ccctgtgtcc tggccttcct 180
gaaaaactgc aggggtgggat tggggacatg attaaagggtg gaagcagaca aaaaaaaa 238

<210> 363

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- REPLACEMENT COPY -

<211> 184
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 58, 63, 67, 92, 111, 115, 128, 130, 142, 143, 159, 162
<223> n = A,T,C or G

<400> 363
ggacgcgttc tgcctccac gcctgggggt gggggctatg gagacccgga ggacccanca 60
ccnccancag gctcgccccc gctatatcca gncttcccag agcgaggcag ngtnatgag 120
taccgcncn cccaggaagc annatgagtg ccccccacant anagatcctt tgagtcgcaa 180
aaaa 184

<210> 364
<211> 109
<212> DNA
<213> Mus musculus

<400> 364
tgtgacctat gagcgcagta agcaatgagg ctggcttgag ctaccaggct gggcttggag 60
gggctacgac ccaccaataa aagtgtttca tggatcacca aaaaaaaaaa 109

<210> 365
<211> 155
<212> DNA
<213> Mus musculus

<400> 365
gaagataacc cccagtgcc tccacacagag gaaatgacca caatgaattg ttacattatg 60
cctgggtcttt ctcccaagag accatcagct ccggggtagt aaactagggtg ctctccatta 120
ataaatctga tgatgcgatg ctgtaaaaaa aaaaa 155

<210> 366
<211> 287
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 47, 50, 113
<223> n = A,T,C or G

<400> 366
gacaaaaaag aagacctgac gtcattcctga gcaccncgc catgcanagn gtgttcgcag 60
actgccaacg ggctggctcc ggccagcaga agtgaacaga ggtggagggtt canctgaca 120
gcttctcccc aaagccatgg agagaaaacc ttaccacccc caccgcccag ctacttccag 180
caagttgtcc agcctgaccc ctctatttcc cctgttgtct cttatctggg tccctgagac 240
ccaccccatc tccaataaag aacattgcat actgtgaaaa aaaaaaa 287

<210> 367
<211> 114
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 76, 88
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 367
 catatgcctt gcatacctgac cccacgttct catggatgga ggtcccatat cacaggagct 60
 tctttccctt tgctcngatc tccaattnaa gcctttggga cttgaggatg gaga 114

<210> 368
 <211> 299
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34, 35, 37, 41, 44, 45, 48, 52, 54, 58, 66, 81, 90, 92, 95,
 98, 99, 107, 109, 111, 119, 120, 124, 144, 164, 167
 <223> n = A,T,C or G

<400> 368
 gacgtgagct gtcaacgctg agcttccagc tgcnnengcc nttnnagntc gngncccntg 60
 acatcntgga ccctaaccct ntgaaaccgn anccncanna taaactntnt nttcttctnn 120
 tganggaagg aaaacatgaa ccanggtggc tttaccaacc acangtnttt gtgacatcat 180
 aaagttagaa taattgggat aaagctttta tcattatcaa ttgggttctga aattactgta 240
 ttggcatctt gtaaattgag actttattga tacataaatc tgattgggta attataaaa 299

<210> 369
 <211> 408
 <212> DNA
 <213> Mus musculus

<400> 369
 ccgaagtccc agcttgaatc gaaagaaaat cagaagtttg atgtctttaa agccatatcc 60
 ttcaagagac agatagtggc tggcaccaac ctcttcatca aggttgatgt tgggtggagat 120
 aaatgcgtgc acttgagggt gtttcaaccc ctcccccatg aaaacaagcc tttgaccctg 180
 tcttcctatc agaccaacaa agaaaggcac gatgagctct cctacttctg attcggggct 240
 cctttgcacc tgtgtttggg accacgtagt aaaaccccc tcggtgatgg agagaaggga 300
 gttgagcagc ttctgttgtg attctcaaac tgcgttgtat tttgcatcct tccaaataat 360
 tatttttcaga aaactgtata tgatctctct aaatatatat tttttaga 408

<210> 370
 <211> 381
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 67
 <223> n = A,T,C or G

<400> 370
 gccttttcat ccctctgcta acctgaccta ggactgggct gcctcctgca tccacagcaa 60
 acacagnag aaggctgatt ccatgacagg cttcaaataa acagttaagg agactagacc 120
 taaaaatata ggcttggctt tgagcagcca gtcagaaact gccctatcac ctggcctgaa 180
 gcaaggacaa tgggtcagca gtttcctgct ggccccacg cccagtaac ggaatgtcct 240
 ttgtgataga gtaagacaaa gccaacctac ctcgggatc ccctaaggag ctttaaattg 300
 aacctgtgaa cttcagagtc tctctatctt ggtaatggga gaccccagca tgctggactt 360
 ctgcagaata atcactctgc a 381

<210> 371
 <211> 188
 <212> DNA
 <213> Mus musculus

<400> 371

- REPLACEMENT COPY -

```

gattgaagag gaagccaggc agaagaagat gtagatgcac tggcccagggt ggatccacaa 60
cacccgagta taacattgac cctgaggctt gtgacctgtt atggctctgt aattgtgtaa 120
gcttgagcgt ttttataccc agcagcgtag atttcataat aaagtagttt gttgtggaaa 180
aaaaaaaaa
188

```

```

<210> 372
<211> 303
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 250
<223> n = A,T,C or G

```

```

<400> 372
aggacacgat gtggagcggc tggagcgcac gcaggagcag ttaaagaagg ctaccgccat 60
gctaggggag gctctcggga ggggaaggctg accccacgcc actccttccc cacactccct 120
gaggctcagg actgttgacc tcagagcctc ctttcacggg gcattctgct ccacttccaa 180
ctggtaggga ctggaagcaa ggatgtgcct gagaaccaag cctgagagaa gcctatgggc 240
aggggctggn ctccggctga ctcaggaccc cgccccaccc ctccatccct gagtgaataa 300
agc
303

```

```

<210> 373
<211> 106
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 24, 26, 50, 65
<223> n = A,T,C or G

```

```

<400> 373
tatttacttt acaatgatgt tagncncccc ccatacttga gtaataaaan tggcggggttt 60
ggaancgtgc tgtatacata aatgaataaa taaatcttta aaaaag
106

```

```

<210> 374
<211> 335
<212> DNA
<213> Mus musculus

```

```

<400> 374
aggacctcaa ccaactgaag agttgacccc gccagtctgc gtctctctgt cttcacttga 60
atgtctttga gaatatgtaa aaaggagcca catgcacctc cacgcagtgt gcaggacgag 120
aacttccgctc attgtatata ggccctctgcc ccgtctcccc ttaagggttat ccactgtgct 180
tgatgagtga gcagtcaata catctgctgc ccgtcggcat tctgggttaa taaaactata 240
ggaattatTTT cacaacaaa ctatggaaag cagtattaaa atctgagttc tgtatctact 300
ttaataaatg ttttgggtct ctttgaaaaa aaaaa
335

```

```

<210> 375
<211> 141
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 27, 38, 41, 43, 45, 48, 49, 67, 69, 75, 99, 106, 117
<223> n = A,T,C or G

```

```

<400> 375

```

- REPLACEMENT COPY -

```
tgtgggtgcc ctaaggcttg gaattcngtg gtggaagntg ntncncanng cgacagtcca 60
tgccctntnc ctcgnagggc tctttgtcat cacgaggcnt ggaccnagga agtgacnccc 120
gtgctacggg actatgatgg a                                     141
```

<210> 376
 <211> 433
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 68
 <223> n = A,T,C or G

```
<400> 376
gggaatcaac agcaaaggat tgggtgagctg cagaaattct catggattgt tgtctttctca 60
cacagcanaa gacgtcaggg acccctttca ttctgggtatt ctactgcag ataggctctg 120
tggaataaca gttcttccca ccccccctgcg tattttttaa atgttttggt acctcttctg 180
gccatgatag tgtctagtga tgccctctcc cattctcaca gatgatgccg ttccctctct 240
agtactttca agatggctct ctgtgtctgg ttttcagaag tttcaccatg tgtcttggtg 300
tggaattcttt aggtttatct tatgtctgtt cagcttctct aatctgaaga agtcaagggt 360
tatgtctctt gacaaattca gaacattttc acatgaccaa cattattatt attaaatggt 420
ttctctgtgt aaa                                     433
```

<210> 377
 <211> 202
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 40, 79, 83, 106, 183
 <223> n = A,T,C or G

```
<400> 377
gtgagaagag actaggtgtg acttaagaga gaatgcattn ttaacaagtt cttttcttct 60
cggctaaaga agtcccggnt atncttcacc atggagctca cgcattagct tctgcagaaa 120
gacttcccaa atgtcaccaa gcagcgtcct cactcttgag agcaggatta ataaattatt 180
tgntttacct gaaaaaaaaa aa                                     202
```

<210> 378
 <211> 255
 <212> DNA
 <213> Mus musculus

```
<400> 378
gagatgtctt ctttggacca aagatctcct ttgtgatccc ctgcaacaac cactgaggat 60
ctgccttgca ctctggagaa catggctctg aaggccttca cgtcccctaa tttcccacaa 120
actctgtcag ttcagcgcca tttctgatat ccatccagta tatccaatct tgcatagatt 180
ctataaagtc ttacttgcta gagtatactt gggctaaagt ggtaataaaa gttgtttcca 240
tttgaaaaaa aaaaa                                     255
```

<210> 379
 <211> 120
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 97
 <223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 379
aactgtgcgt atcacaactg agtnatctcc cctggcagcg gacatcttga cctgcctccg 60
gagctttgct ttgtcttccg taggtcaagg cgttggntct ctctctctct ttttttttaa 120

<210> 380
<211> 259
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 35, 38, 62, 67, 69, 71, 90
<223> n = A,T,C or G

<400> 380
agggcctgat agaccttgct gagctgaccn cctanatnct gtgatcgatt cgccgaggtt 60
anctganana ngcaaccacc attacagagn gtcttcatac cttttgtaaa agctgcattg 120
tgagacattt ttactatagt aacagatgcc caaaatgcaa catagtgtgc caccagactc 180
agcctcttta taatataagg ttggaccggc agttacaaga catagtatac aaattagtga 240
tcaatctaga aaaaaaaaaa 259

<210> 381
<211> 128
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 31, 34, 41, 60, 64, 66, 78, 84, 86, 90, 110
<223> n = A,T,C or G

<400> 381
ctgcttcaca catttctcca gacctncgtt nctntatggc ncagaccctg tgcgttgctn 60
aggntnctac acggccanaa gtgnanttan ctttccggtt ccagcatctn cccgttcccg 120
tatcttcc 128

<210> 382
<211> 126
<212> DNA
<213> Mus musculus

<400> 382
tgtaatggaa tccgatgtcc tcttctggct tgtctaagag atctacagta aataagtaag 60
taaaaaagaa ggaaagaaag acaagaaaag gagagtgaat gaaagatttt ttaaaaaaag 120
attata 126

<210> 383
<211> 409
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 373
<223> n = A,T,C or G

<400> 383
agcaaattaa agtgctacaa acagaggaaa atcctctcct gccggatgaa aagcctgctc 60
caggctctggt tccagggtccg aaatcccatc cctctgcac cttctggcaat acgctccttc 120
catcagtcac ggcatccacc attttactcg ttgcttctgc tgtaaacttc atcgagctat 180

- REPLACEMENT COPY -

```
agcttgaaac gctatcttaa tctttatctg aaagactgct atgggggatcc cacaggaagt 240
caagagaaaa aaatgtagtt ttccttggac agacttgact gtataaaaga actgtatatt 300
tgttcctcat tttacaattt aaaaagctgg tccagatagt atcatagaat taacttttca 360
tttctggatt aantttaagg actgcaaaaa tcccaaagct atatacttt 409
```

<210> 384
<211> 422
<212> DNA
<213> Mus musculus

```
<400> 384
gggtgacacc tctggagact tcatgaaggc tttgcttgct ctgtgtggcg gagaggacta 60
aagctcctga cctcagaggg cccctctac caagcagtgg ccaactgcac cagctgccgc 120
cgtgacctga ccaagccatt gctccagctt caggatctaa ggaagacgca aggggtgggg 180
ttggactgtc catccagctg gggcactctc tagccattga gggcccagg cggtccttc 240
tgttatccct cccgctcatg gctaaggggc tggatgaacca cggccatata ctgcattcaa 300
ctctgatccc cttctaccta ctctccgcc cgccctgggt tccatccctc cacataacct 360
tgctgactt gagctttgtc acatctcaag acataccaaa cctctgtcta tgaaaaaaaa 420
aa 422
```

<210> 385
<211> 208
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 47, 52, 57, 66, 68, 103
<223> n = A,T,C or G

```
<400> 385
aggacggaag gggaaggagc ctnggagcct cagagcaccg gggccangcc tngaganaac 60
cagatntnag ccggcgcaga tacgcccagc ttataacacc ctncaccggg cctctcttcc 120
ggctagtcca aaaaagcgac caagctttaa acaagattcc acaaacgaaa cacaatttaa 180
attaaataaa aacacttttc caccgcc 208
```

<210> 386
<211> 206
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 40, 46, 54, 96, 115, 137, 149, 178
<223> n = A,T,C or G

```
<400> 386
aggcgtgtcc ctatgtagct caggcttgcc tttgacttgn gactgncctg cttntgccac 60
ctgaatcctg catgtgacat cccacgctgt acagtnagga agtctcactt gcttncacac 120
caaacccttt tccattnggg tcaattgang aatctgtggg agtccactga ctacaggnc 180
ggaaaaccgg ggccccgaat gaagga 206
```

<210> 387
<211> 222
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 38, 50, 56, 57, 64, 67
<223> n = A,T,C or G

- REPLACEMENT COPY -

```
<400> 387
ctatatgtgt accacatgca tgccctgtcc cncctgancg cagcaagaan gtatgnnacc 60
ttantanaat tgaagctaata ggatgggttat gaaccaccaa gtagatgctg gcaactgaac 120
ccaggctctc ggaaagaaca acacaagctc caaacctccg agccagctct ccagtcgggc 180
caagactcac gggttttaaaa cactgttcat gcgttgccctg ca 222
```

```
<210> 388
<211> 242
<212> DNA
<213> Mus musculus
```

```
<400> 388
aggtctggcc tcccctcagg aaccctaatta gtgtggcgcc aggtggccta caggatgggtg 60
tcttctgacc taggtgaaga tcttccacct tgctacacct gcaatttcct acaggagcag 120
actgcgtgct gagctggctt tgcaacataa tccagctgaa acaaaggata aagctgtgga 180
tttcccccta tataaatgca cagctgaaaa ttaaactttg agccttgatt agaaaaaaaa 240
aa 242
```

```
<210> 389
<211> 146
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 16, 19, 72, 73, 79, 84, 99, 100
<223> n = A,T,C or G
```

```
<400> 389
caaacgggag ccgctntgna ctgactggct gccttcctcc tctccccct cctccccctt 60
ctgcttcaga tnnattgant atangtaagt acacatgttn cagtatgtag gacacactag 120
acgagggcac cagatctcat tgtggg 146
```

```
<210> 390
<211> 364
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 36, 43, 46, 59, 92, 123, 131, 153, 176, 182, 215
<223> n = A,T,C or G
```

```
<400> 390
cttataacaa gtattaagggt tccagtatcc tcaactnccca cgncangatt tcactgggnc 60
ttattacaga taatgggagg cacacaggga gngcaagaaa atgtaatgct actaggctgc 120
ggnccagaag naccttcttg ttcacgagaa ggnacgtgta tcttgctagc tcctgncaaa 180
gncctcccca acaaacgcac ctggtaaaaag actgnaagggt cgtactcttc atccatttcc 240
acgttcatca gtaagcagca gccgttgagc ttctctgaaa ctcacccggc catcctgggt 300
tctgtctgct tgctggaacc actcattcaa cattccagct ctgagtcaag gcaaaagctc 360
gggtg 364
```

```
<210> 391
<211> 236
<212> DNA
<213> Mus musculus
```

```
<400> 391
ggaagtctga tgagcgaagc gttctgaagt tgggtggcaa actgagagat gtgctcggga 60
ttctcggcat gcttgcttcc ccttgccctg ctggccaaga actcttcagc atctgtgagg 120
ggttgaaaga tctcaagccg tgaagccttt aaaagccaat gtgcagcttg agagtccagg 180
```

- REPLACEMENT COPY -

gcagtgtcta ctgccaaggg ctttagcttt tcaaatatat ttttaaaaga aaaaaa 236

<210> 392
 <211> 104
 <212> DNA
 <213> Mus musculus

<400> 392
 gcatcaagat gacctgattt cccacaagcc tgggattgct gtctatgcat gtgtctgtgt 60
 atctacacat acacacccat aataaaaacta catatatatta ttga 104

<210> 393
 <211> 299
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25, 35, 42, 45, 49, 61, 64, 68, 72, 84, 86, 88, 95, 103,
 117, 127, 131, 148, 149, 158, 162, 237, 252, 253, 272
 <223> n = A,T,C or G

<400> 393
 tacctcaccc gtccctggat gcagnngcga cattngcagg anggnccanc atggctaaga 60
 nagnctgnct tncgcctgac ccncnangc tgaanctcac aanacctgcc cttccangag 120
 gacattngtt nagaagcctg gccaccgnnc atgagcangt gngccaagga tctccatgcg 180
 gggccacact ggctctactg tgttcagtga gggagggata tgctgtattt gcagcangga 240
 ctcagaacat anntgctgat cacagaggga cncactagag caggttgtga gttataagc 299

<210> 394
 <211> 336
 <212> DNA
 <213> Mus musculus

<400> 394
 ggtcctccct ggacacttcc tgctgtgcag ctttctccca ccataggaat cattactctg 60
 acttcactgg ctgggatctg gggacacagt gttcacagtc tcattctgaa gtcccttggt 120
 tgtcccaatt gtctgttagg atgtggggat ctgccttggt ccatgagaaa tggcagaggc 180
 ttttcctata aaagtagcac acaagacgac agcataatct atgaaatcaa tattctgtcc 240
 atgtgagggt tgtaactttt agtaccactt tgaattaatg atgttcaatg aacagtttaa 300
 aactttataa taaattgaat tttaagacaa aaaaaa 336

<210> 395
 <211> 228
 <212> DNA
 <213> Mus musculus

<400> 395
 gcactctacc cctggacccc ggattgcatc ataaagcagt gcctgctcct gcttcctctt 60
 ctccctccct gcctgtaagg tcctcctggt ggctcccttc cctactctgc atagaagctg 120
 catatgaaca gcctcaaccc catagcaatt atggtttctg tagtgtcctg cattaaaaat 180
 gctatctctc ttcgtcaaca ataaagggtt ttacaaaagg aaaaaaaaaa 228

<210> 396
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 396
 gacagggttt ctctgtatag ccagcgcttg actgtcccgg aattcactgc atagaccaag 60
 ctgacctgga actcagagat ctgcctacct gaataaaggt gtgagccacc atacttggcc 120

- REPLACEMENT COPY -

a

121

<210> 397
<211> 337
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 35, 48, 49, 51, 66, 67, 81, 111, 118, 122, 127, 131,
141, 142, 163, 170, 178, 196, 201, 203, 227, 237, 239, 242,
250, 258, 265, 304
<223> n = A,T,C or G

<400> 397
aactttgggtc cccattcacc accgtcatcn cgaanaggaa caagatgnnc ntactatgtc 60
cggagnnact accaccagac ntatacctgt aacaagtaac ccaggacgga ntactgcngg 120
cnctcanggg nactggaaa nntcctgccc catggcccat tanaaaatan tttctctnca 180
cgaaactgtg ccctgnaggc ntncatcaac accatgaatt gaatggnacg gagtgggnant 240
gntgaagaan taacatangg ctctntatgg caaagcacac acaccacacg ggacctttac 300
atgnaatctg gttggttattg gggtttggat ttccaga 337

<210> 398
<211> 146
<212> DNA
<213> Mus musculus

<400> 398
aagagtgcct accgaaggag tgggatggct ttcctggcct gctgagggga ccatggccgt 60
gcctgccgcc acgaagaggg agtgggtcac cgaggtcatt cttgcctgtc ctgccggaaa 120
ataaaatagg attttatggt ctcctg 146

<210> 399
<211> 240
<212> DNA
<213> Mus musculus

<400> 399
gggcatactt tgagaagaca cagcagcagc tgacacccct tgtcagggtca gcaggaacta 60
gtctgggtgaa cttcttcagc agtttaaatga acctcgagga gaaaccggct cctgcggcta 120
agtgcagatgt gccaggccca gtcttccac cccagctgct ccactggcca ccgctagagc 180
ccctctccct accttctgcc tgttttctcc aataaatgct gaaggagtta aaaaaaaaaa 240

<210> 400
<211> 280
<212> DNA
<213> Mus musculus

<400> 400
agcttctttt aatagtataa agcgaaggag aaagcggcgg tgatgctggt caggagagca 60
cacacgtgaa gacaaatacg gtgattactc ttttcacggc gatggacacc aggaacaatg 120
cgagcatctg agggcacaag acttcatcac agggcctggc tttctcatcc tgacgcaccc 180
acagcaaggc ctggattatg cctgcttttg atctcactaa tttgctattg ggacagaagt 240
tattcatattg ggggtgcaata aagaaattcc aatttgaacg 280

<210> 401
<211> 267
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

```

<400> 401
acctcccagt tcctgaagat ttcctactgt ctagatgctg ccacaccttc ctgccagcca 60
gccagagagg atgttccatc accttcacag tatttattat cctctgccac ctactgctc 120
ccatacagac atccttacac aaccagcaac gcaacaagga acactgaaaa aatgcctcat 180
tctaataaag tgacttttctc cattaccctt acccctctac agacagattt aaaagcagac 240
agaacaaata aacgaacagc aacaaaaa                                267

<210> 402
<211> 123
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27
<223> n = A,T,C or G

<400> 402
gggaacattt gtgggcagga aagaccngga aagtagtgct ggagaaggag actggagaga 60
aacactgggc ctgtccctgt gatgcacttc tgccagcaag ggcacgccta ccagtcctctg 120
aag                                                    123

<210> 403
<211> 315
<212> DNA
<213> Mus musculus

<400> 403
ccctctacac taaagttggt gcggttttga gacaggggtct cgggtagccc aggctaatac 60
agctgaagat gaccttgaac tcctgcttct acttcctgag tggtgggatt tcaagtatgt 120
gctacgatac caagctgaat taggcctcta ccatcacatg caaggacctg aactacatac 180
acagcatcat taaacaatgc agtactttgt tctgaatagt tttagctcta ttataaatgc 240
catgttttac acctgggaga tagcaatatg aagataaggc tcagtaataa agatgctgac 300
agctaaaaaa aaaaaa                                315

<210> 404
<211> 361
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 34, 42, 46, 47, 48, 49, 55, 59, 73, 76
<223> n = A,T,C or G

<400> 404
actgagaaac agctctgaag cggtttgctg ccngctagc anaccnnnnc tgggnttgng 60
cgctacctgc cgntgnaatg ctcgggagat tgccacttcc acaactgctt tttgctgcca 120
tccttggaat tgctggagga atgtatatat atcagccaat atttgaacaa tattccagag 180
atcagaagga attaaaagaa aaggtgaagt tggtggaaga atcagaagaa aaggagagcta 240
attctgcata aactgaaatt gtaaaccttg cttaacgttc tattgaaatc acaccgacta 300
ttagtctagt aagactttag gtatgcttta aataaataaa tcatgggtaa tgaaaaaaaaa 360
a                                                    361

<210> 405
<211> 329
<212> DNA
<213> Mus musculus

<400> 405
gactgtgaag aaggtcaaga ggatggctca aggaatgaaa cacctttttc tacaagtgaa 60

```

- REPLACEMENT COPY -

```

gactctgatt tagaaacgga aacggctcgag cttgggtggag gggttttatgt gaaatcattt 120
ttaaagtatt cagaaaattc tgtcccagcc actcaaaggt tcctgaccta tctgaagtca 180
tggactgggtg ggccctggccc gcaagcgtga acagctgctg aattctgcaa acaaggactt 240
ggctcagtat ttgatagatg ccttgatttc catttcatgt atttaattta atttaataaa 300
atataagcat taataatgtg aaaaaaaaaa 329

```

<210> 406
 <211> 396
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 37, 41, 43
 <223> n = A,T,C or G

```

<400> 406
gctctgggga gctcctgcat taanaaaaaa ctgaagngca ntncggctta agtcctaaat 60
caatgcgcct gaaaatctcg ttcccaaagc gtgtctgtca gaactgttac tatagcttgc 120
agcatgagag gggggcagaa gatggacctc ggaactgctg agatggaggg actggcgaga 180
gaccacagcc taggaggctc ttcacatcct gccgggactc cagaggcact gaagcagtct 240
ccgtttacac ggctcttcac tgagtgttgg aagtgtctgag tgtaaaggaa tcattggatc 300
acggcttccg aggccagtga ccggcacggg tactgtgcag tgaacagcac aagaggaagt 360
ggctcccagg agcatctcag acctgagtct cccta 396

```

<210> 407
 <211> 369
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 288, 304, 308, 311, 351
 <223> n = A,T,C or G

```

<400> 407
ggtcttggtg caactgaagc aggcgctatg atgtgttggt tccatctgag caaatttcct 60
ataaagtatc ttatcagttg tctggagcca tagcaggaag tcacttagat acatgtcatc 120
tgaaacccaa agtttggacg ttctccaaag ggtcatctgg atcggtgtct ctacttttct 180
ctcagcaatg ctgagggtctc attgctaacc cctgaggata agggatggct agaattcagc 240
gtataacaga acataagaag agctggagga ggcggtacag acttgtantc ccagcactca 300
ccangctnga ngcaggaagg ggtggcctaa aagttccaga cccaacctga ntttccaggg 360
ggaagacct 369

```

<210> 408
 <211> 102
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 75, 81
 <223> n = A,T,C or G

```

<400> 408
ccctctgatt gccctgtcta ccctttgcat tgctggactt cagatctgac cccataacctg 60
cctgttgctt atgancctca natccaaagt tggccagcat tt 102

```

<210> 409
 <211> 786
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 619, 694, 703, 728, 729, 733, 738, 748, 750, 751, 752, 755

<223> n = A,T,C or G

<400> 409

```
gtgctgcgtg aaggccctta ccccggcatt cctggtctgt gtaggatacct cgcctttctg 60
taggaattac ctccagggga agaagggtgca caggtaacat gggagccaga ccctgggggtc 120
tcttccctca acttcctctg ctggactttg tacacgggaa tcatctggcc tagagtgtag 180
cactctatcc tcagggacag tggttcccag cctcttggtg ggaagaagc tgcaggacc 240
cctgaaccta agcctgtctg gctgagtgtc gggctccagc tgggcccgcac tctcctcaga 300
ttcacagccc tgccctggcc agtacatctt tggagtccat ctctgaaaaa atcatccact 360
gcagttacca gaatagctgg ccttggtaac tccctagccc agagactgtc gcaggatgca 420
gtgacagtct taacctttgt ggcacgcggc acatacagaa ggcacaactc caaggcaata 480
aaccagccct gcacatactc taaggcctta aggccttgaaa gactggctca gttgcttcac 540
cagcctggag gaaagctaag atgctgtgga tgccatgaag tgactgcagc catgaagcca 600
catcctgtct ggtgactgna taaacttggg atcctgggac tactcagagc ccctactgga 660
tctctacttc tcaatgccca tgccaagggc ttgngccaca ttntggacag aagctttgag 720
gagtcaannng ggnccagnng tttggaangn nnggncttgg ggtggttccc ttttaatttg 780
gagggc 786
```

<210> 410

<211> 301

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 27, 45, 46, 47, 48, 207, 264

<223> n = A,T,C or G

<400> 410

```
aagcagctca agaggcagct ggaggangca ccaggaggag gcatnnnnng gcacttgctg 60
gtcggaggcg gctgcagcgg gagctggagg acgtcactga gtctgcagaa tccatgaacc 120
gggaggtgac cacgctgagg aacaggctcc ggcgtggccc acttacattc accacacgga 180
ctgtgcgcca ggtgttccgg ctggaanagg gcgtggcttc tgacgaggaa gaggctgaag 240
gagctgaacc tggctctgca ccangccagg agccggaggc tccgccccct gccacacccc 300
a 301
```

<210> 411

<211> 326

<212> DNA

<213> Mus musculus

<400> 411

```
gatctctggg agccggttca gagcacatat gccgccactc agaactgtca tctgcccacc 60
ctatgtctcc ttcctggaca ggagactatg gaggaagatg tgggtcaaata tcccttctac 120
cgcaagacca taatcatcat agaccgcgat cattggaaca ctcagaagtc caagttgcat 180
gctttttatc tttgctatct cttctcgcct ctgtccctgt ggacagtgaac cacagcatac 240
tgagagccagt gctttaggga gcaaactgaa tccatcactt ccaattccac attcagcaaa 300
ataaaggcaa actggccata gctaca 326
```

<210> 412

<211> 304

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

- REPLACEMENT COPY -

<222> 89, 94, 102, 109, 114, 123, 125, 149, 173, 177, 189, 192,
193, 223, 233, 238, 244, 249, 257, 262, 269, 279

<223> n = A,T,C or G

<400> 412

```
caccggcagc cttggcatga cgtcgtgaag gtggccattg ctaacctgac atgtgggggac 60
tcaggaaccc cacccttat gggctccang ctgngctgct gnccccagnt ttgnggctct 120
aanangccct tgctgctacc ccacatcanc ctgctgccat ccatgtgtgc ccnttgntga 180
aggcctcgnt gnnccctgcc atgaggatgt gtgccccagt tanggggctg ttnttganc 240
tgnggggant gctgaanacc tngccggcnt ttgcacctnt gccttgctta acctgggaaa 300
atgg 304
```

<210> 413

<211> 491

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 389, 394, 403, 406, 414, 415, 450, 472

<223> n = A,T,C or G

<400> 413

```
tgatgcgatt gactaaacct actttgttca ccaatattcc tgtaacgtgt gaagagaagg 60
acttacctgg tgatctcttt aaccagttaa tgaaagatga tccttcaact gtaaagtgtg 120
cagagatttt aatgttgagg gaaatgttga ctttacccca aaatttcggg aatataat 180
tgaggagagac cttttccagt tatatcagtg ttcacaatga cagcaatcaa gttgtaaaag 240
atatattggg gaaggcggat ctgcagacga gttctcagcg tttaaacctt tcagcctcca 300
atgctgctgt ggctgaactt aaacccgact gctgtattga tgacgtcata caccatgaag 360
taaaggaaat tgggactcac atgttggana tggntaccgg ttntcnaaaa cttnnggtca 420
tttattaagt tcactttcct ttttcctctn tttggctttt gcataccatt antaattata 480
taccttaaat a 491
```

<210> 414

<211> 345

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 303, 309, 315, 325

<223> n = A,T,C or G

<400> 414

```
gaacacgaac tcaaacaatga acaacgatac atattacaaa tgttcaaagc tgatttgggt 60
agaattggaa tacagttgca tacaacatat tccagaagaa tcagaaaagt caaagtaatg 120
gataacagaa aagagcctcc attcttcaat gaagataacg tgggaccatt ttattttcaa 180
cttcctttct atgacaccat ggaactcttc atcgaaacgt tgactggaac atgttttgaa 240
ctaagagttt caccctttga agctgttatc tctgtgaaag gaaaaattca aagattggaa 300
ggnattagnc tttgnacaat atganggatt aagcatctta taagt 345
```

<210> 415

<211> 392

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 125, 234, 325, 347

<223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 415
gttttgagag attgctacaa tttggactca caagcaagat ttactgcaaa ctttgagatg 60
gagtaggtac ttttcagatg gtggctggct gcccagaaag atgctgtagt gaaactagga 120
gaagntgatt tccagggtcat atgtcattag tgtggacgct gctgtcttaa gtctgtggcc 180
atggcaccag aacacaaagc ttgtgcctct tactcagctg tccacggagc ctangaagcg 240
cctggggccca ggcaccagcc ttgctctcag agaagatgtg tctgcaggca gcgtggacct 300
gtgctatctt cctagaacac attgnactca tgtttttaac acttggnttt tgatttttaa 360
aattagtatg agtgcttcag atatgaaaac ag 392

<210> 416
<211> 155
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 56, 71, 85, 105, 120
<223> n = A,T,C or G

<400> 416
gtacagctcg ggactagtca gactctacag cttccaagcc atcatcgaac agactnacca 60
cctccactct ntgaagtttc atctntggag aacgcattcc agatnggagg ccatecttgn 120
cactacatca tcacgcctaa taagaagaaa cagaa 155

<210> 417
<211> 404
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 103, 109, 116, 117, 118, 119, 121, 128, 184, 199, 256,
277, 311, 319, 320, 323, 328, 329, 336, 339, 342
<223> n = A,T,C or G

<400> 417
aaagcatgcc ctgaactgcc atcgnatgaa gtctgctctc ttcagtgtgc tctgcgagat 60
caaggggaag actggtcctt gtggcccctt gccacaaacc aanggaagng acatgnnnnt 120
nactctgngg accctggcct tcctccagcc cccactggg ggagtctgcc tacagcccct 180
ggtncatagt aactggcana gggccgcccc acagccagcc tcatcacctg cgggagagtc 240
tggcagcttc aattcngatg ctgcatctaa ttaagtntct ggcacctggc tgagtgccat 300
aagtgactgg ncctgtggnn ccngctgnnt aacctnaana angcccttgc tgcggctttt 360
gccctttttc aaggccactt gcctccccac cttggtgtga aaga 404

<210> 418
<211> 393
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 327
<223> n = A,T,C or G

<400> 418
tattttaatgg aaatgaataa ctctttttga gaaagccatg gcgaagttaa acacaaagct 60
caggggttgt tctcgagagt cttcagtatc ttctctctg gcaagcggca gcctgagtgg 120
cagcagctcc cacagctccc acagctcggt tgtgtataag gaccagctgt acagctcggc 180
ttccgaggcc ctgcaggcct atattgatga ttttgacctg agcagagAAC atcctggtgc 240
aaacgctgtc aaagtgaaca ctgacgggtga gattggtaat gggctgcaat tttccagcta 300
cgtacataca cccgacaatg cttttgncaa tcttgatccc aagcagcact ttaaccctt 360

```

- REPLACEMENT COPY -

tatactatag aagagagact gttaatgaca tgg

393

<210> 419
<211> 283
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 43, 45, 54, 55, 57, 60, 67, 73, 238, 261, 264
<223> n = A,T,C or G

<400> 419
tctggtaaaa ttacagaca aatcatcaaa gctgncgggg gananaagag tgcnnntntan 60
taggagnaat gtncatttaa aaatagctaa ttgcatttct gcatgactgg gctcctaaaa 120
aagctagttc ttagggctct tggagacagt atggagttcc agtctcctcc tggctgcctg 180
cagaagacag tctcttcctg gctgccttca gatcaagatg taaactcttc ggcttctnca 240
gcaccatgtc agcctacagg ntcnctatga tcataatgga cta 283

<210> 420
<211> 444
<212> DNA
<213> Mus musculus

<400> 420
gaacacaagt ccaagcggtc acatggaggc cagctggaaa ctacatctcc cagcttcccc 60
tgcagcagtg gtggccatag cagtgggtgac agccagcacc ctggtgttgc tcctgattcc 120
gggggactct gagtgccagg aatggccttc aggaaatgaa cctggtcctg ccttcactat 180
gccactgaca catcttccag aagataccac aagagggaga aattgaccga tggaggagga 240
gactcagagg tgcaggaagc aagcagaaaa tggccttaga gtgggcagct gataatgatt 300
tagagaaaca caagctacct ggccatggca ttaagacaat acaatgcaac tgctatggat 360
ttgataaaaa ctgattaaat tttaatttgg ttaaattaaa attttaattt gattaaaatt 420
aaattttaat taaatacaaa aaaa 444

<210> 421
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 197, 198, 215, 223, 224, 225, 230, 260, 289, 303, 320,
371, 396
<223> n = A,T,C or G

<400> 421
gtgactgtgt tttattttca tgnccctgtga tacaagagaa tactgaggag cagagctcca 60
gggctctcca agccagcagg aggagtctga tgctctaagg ctagcgctat caaggaggga 120
gcgtctgcga agagtttcaa gacagcattt catcttatgg atttgccata gtccttccaa 180
gttgacttat catgcanntg aagaaatgga tgagngaaga gannnccaan atggaggagt 240
ctcagctata tccaactgcn acatacaaac atatggtaat ggcactgtna ttctgaaact 300
aangacataa ataatgctgn gtaataattt aaaaacaaat attcagacta aactataacc 360
actacagagt ntacatccat aaattactta tgctgnaaat attaactctg tc 412

<210> 422
<211> 374
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 24, 25, 29, 102, 108, 123, 125, 138, 146, 154, 156, 166,
173, 178, 207, 212, 234, 237, 242, 249, 252, 257, 266, 276,
283, 289, 290, 297, 298, 300, 310, 316, 320, 331, 355
<223> n = A,T,C or G

<400> 422
ccgactatgt gacactctga tttnnncagnc ctgacttccc cacctgtgga accgtgaaac 60
gatacgtttg cctaatatgc gaccatgccca tacaggcttc tncacacnct ggcaagttgt 120
acncngcata tcagcaangg ctctcnagat gtctnagac ttactnnggt tanattanga 180
ccacttaccg aaatatgatg gtacagnatg cnacaatggc ctgaccatac agantcnttt 240
anactcatnc tntccangga tgacanctga cagatngaag aanccacann tcctgggnan 300
gaaccggatn gcactcngacn caagcagact ntttccgggtg aatgctgtgc attgnttgga 360
cggaaagaac ccgg 374

<210> 423
<211> 362
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 71, 84, 90, 96, 122, 124, 126, 137, 139, 140, 142, 145,
147, 181, 182, 199, 291, 306
<223> n = A,T,C or G

<400> 423
gctgtgatgt cacacctgaa cacatgacng gcccacaggc tgaggaaccg gaagctgttc 60
tgtgggcagg nggaatgtat gtancctggn tgctgntgcg ccccatatat aaggggaaac 120
cnancnagag gattgggnann anggntnggg ctgcagcctg gtgaaagaac tggggccttg 180
nnaatgcctg cagataggng gcattggccat ggaacaatgc ccatggctgg ctacctcctt 240
catattgtcc tgaccctcga aacccaagga cgggtcagac tcctgctcca nctgaggctg 300
caggtnttag ggggaaagga atgggggaaa cggacacccc aagtgggagc ctgagccaaa 360
tc 362

<210> 424
<211> 375
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 26, 29, 45, 46, 55, 89, 105
<223> n = A,T,C or G

<400> 424
gcctgcaatg aagagcaatn cgtatnttnc tgtgttgctc tcttnnttaa ctacnaggaa 60
ccagtaccat gttaggggct accagctgna caaaagcagg agtangagaa gacgggaaga 120
cagcaagatg tccaatgatt taccgtgtcc accccaggcc aggctcacat cacacaaggc 180
agggtgttag tcacctgctt atgaagccaa cgtgtttgca tgaccatgcg tgaggcaaga 240
cccgattggg tatgactgga ggttgtgtgg atttaaaaat cttttaaaat ccttaaactc 300
ggttcattca aggtatcctg aggcccacag gaatactctc cctctgcttt ctatcgtgaa 360
gggcttgagg gaggg 375

<210> 425
<211> 192
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 42, 111

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 425

```
ccatgcacct gagccatctt cccctcttag gctaaggaga tntgtgactt ggtctgggtt 60
gaagtcctgg taggaagaaa acattgagca ggtggtaagg aaaggggcat nctgcactgt 120
gcgggaagac cttaatccta cctcaggaga agacatgatg ggaatgttct gccctgcatg 180
caccttgggt gc 192
```

<210> 426

<211> 331

<212> DNA

<213> Mus musculus

<400> 426

```
catcaatagc tagctttctc acagtgcctag cttgggtatcc aaatactttg ctccggacgt 60
ggtgccttgt gcttcatagc ttaacactca tgacgaatat gcagcttaat tctgggttcca 120
gcagttctat tggaattcag gagactacgg ctcatctgtt ggtttcagat ccaaacctta 180
ttcatgtgtt agtgaaattt ctttctggta ccagtcctca tgggacgaat cagcatagcc 240
cacaggtaat aaagtgttta aatattgatg tatatgttca tacctctcag taaacagata 300
attaaagtag cttttatgac caaaaaaaaa a 331
```

<210> 427

<211> 391

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 366

<223> n = A,T,C or G

<400> 427

```
agacttcctg cttggtgcgt accanacgga attcccagag ggacccactg agcaactcat 60
gaaaggggaag atcacatttt cgcagggtgag gggatgctgt gtggaccctt gagggagggtc 120
ctctgcatca ttaattttctg ccccatcctt caacaccctg tgggcatgtc ctgcaacccc 180
acccccaccc ccataactc acaaaatagc aagacactga aaggtgtgtt tagaactggg 240
ttgttgtctg tctgggcca cctgaggggac ttttcaagcc ttgaggaact gtgacaagaa 300
atcatgacaa ctagagtggc tatttcagga caggaccact caattaactc aataactata 360
gaatangggg ctttggagtc tgggactgag g 391
```

<210> 428

<211> 115

<212> DNA

<213> Mus musculus

<400> 428

```
aaacatctgt ggccatcatg gaggtgggtg aggtggagag tcccctaaat cccagctgta 60
agtctgcaga aattgatgat ctattaaaca ataaagatgt ccactaaaaa aaaaa 115
```

<210> 429

<211> 115

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 50, 51, 57

<223> n = A,T,C or G

<400> 429

```
tttgagggtgc tcgatggggn tgatgatgca gaggaggaag atgacctaan ntggacngtg 60
```

- REPLACEMENT COPY -

ccactagagg acatgggaca gcctacagag gaggaggctg agcagtctgg agccc 115

<210> 430
 <211> 400
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 364
 <223> n = A,T,C or G

<400> 430
 aggatgaacc ttcttcccga cctggttaca gccaaacagc ctcaaagaaa actcttagaa 60
 caccagaggc ttcagtgatg aatgaagacc ctataagcaa cttatgcaga cccccattaa 120
 gaagcccaag acttgattca acataccaaa caaatggaaa tactaaaacg aatgaaagag 180
 gtttggtttt ctctaatacct tagagggttt cattgaggat tcttagcaac aaaatgcaca 240
 agtttttatg gcttcagaat tttactttgt tcattatctc aggtccttag attttattct 300
 gtgtaaaatt aagtcttatt acttgaatta catgtgagac tgcataataa taaagtactt 360
 ttgngtgggt ctgaggggatg gacccggggc tgacaaaaaa 400

<210> 431
 <211> 217
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 31, 42, 60, 76, 91, 92, 93
 <223> n = A,T,C or G

<400> 431
 cccagggctt ctgccactgt agcacgnggg nctaactaat gngccacctt gccaatctcn 60
 aaggacatta atgggnttct gattgtgtgc nnnctgcagg atcctggatg gaccttgtga 120
 gtgtggtcag ccctctggag gaaaacaact tgctgacagc ctcaggctgc tggatttcca 180
 ctgcctctct ataggaaatt ttggttaaaa aaaaaaa 217

<210> 432
 <211> 384
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 242, 368
 <223> n = A,T,C or G

<400> 432
 atgatgaagg ctcattggac atatatgctg gggttgacaa gtgctgtttc tgacagtact 60
 gctagatcct gtgtgtcatt cagaaactgt ttagatttgt atgaagagat cctgactgaa 120
 gaaggaactg cgaaggaggc aacgtacaat gacttgcaga tagaatatgg gaaatgtcag 180
 cagcaaataa aagacctgat gaaaagggtt aaggaaatac agacacagaa cttgaactta 240
 anaaatgaaa accagtctct taagaagaat atctcagcac ttatcaaaac tgccagagtg 300
 gagataaacc gtacggatga agagataaat catcttcacc aaagattgtc tgagtttcca 360
 cattttcnaa ataaccaccag gaga 384

<210> 433
 <211> 184
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 30
 <223> n = A,T,C or G

<400> 433
 gactatccat tctccgtggt gatgggcatn gtcattggctc gagctgagcc taccctgaat 60
 gaggtctgtt tactcttccg gaggttgcca ggtccaacaa tgcacgtgct accaagcagg 120
 aggcgctggg tgcaggtcca gctatgctgc agaactctgc gcatgcctgg gagagaaaaa 180
 aaaa 184

<210> 434
 <211> 224
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 105, 141, 142, 157, 160, 162, 165, 171, 173, 175, 179, 191,
 197, 200
 <223> n = A,T,C or G

<400> 434
 gtctccaaag aaaacagaag aggacatggg attccctgga actgatggac aaatgatgtg 60
 agcggctctg tgggcaatgg aaattgagct cagtcctctg caganctgcc agcgctatca 120
 ccgagccatt cattccttca nnttcttctt tctgggnttn anttnccaaa ngncntttnc 180
 tgggtggcttt nagggcntan ttttaaaggg ttgggttggt tcta 224

<210> 435
 <211> 405
 <212> DNA
 <213> Mus musculus

<400> 435
 tgctaaatga agccaagaaa gttgataatg gcaacaaagc aacagaagac gactctcctc 60
 ctggcaagaa gatgcgcacg tgccagagaa aagggcctat ggctggaggg aaggacgcag 120
 acaggacaaa agacaatcga gactctgtga agaccttgct gttaaagggc aaagcccctg 180
 tggacccaga gtgtgcagcc aaggtgggaa aggctcatgt gtattgtgaa ggagatgatg 240
 tctatgatgt catgctaaat caaaccaatc tccagttcaa caacaacaag tactacctta 300
 ttcagctgtt agaagatgat gccagagga acttcagtgt ttggatgagg tggggccgag 360
 ttggaaagac ggggcagcac agcttggtga cttgttctgg tgacc 405

<210> 436
 <211> 229
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 33, 34, 57, 59, 65, 75, 82, 102, 109, 170, 192, 200
 <223> n = A,T,C or G

<400> 436
 ggcatgaatg gattgcgctc anatttacca aanntgaatg ccaacatgaa gactgtgnanc 60
 ctagnctga agatnatgat tngtatggaa ggggaccccc anaacctna caaactgcac 120
 attgtcacia gaatagtga gtacataaga ggcgtccata ctgggaaan gataccatcc 180
 cgatgcttgg antacagaan gcacacagcc ctcagaatca caagaacat 229

<210> 437
 <211> 294
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 437

```

tggtgggaag gacagctggt acaacatgat gcagtgcatt gctgaggggc atcaaattgt 60
tgcattagca aatctaagac cagatgaaaa ccaagtggag tcagatgaac tggatagcta 120
tatgtatcag acagtgggtc accatgccat tgacttgtat gctgaagcaa tggcgctgcc 180
cctgtatcgc atagccatca gaggaaggag cttggagaca ggaagagttt atacgcaatg 240
tgaaggtgac gaggttgaag atctctatga actgttgaaa cttgttaagg aaaa      294

```

<210> 438

<211> 317

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 160, 166, 186, 190, 200, 204, 207, 214, 224, 226, 228, 231, 233, 237, 239, 250, 251, 253, 254, 268, 269, 278, 291, 294, 298

<223> n = A,T,C or G

<400> 438

```

gcttgttttg atccacctct tgaaatggat cctaccggga acccaatcat acacaacaaa 60
aaggcagccg acccagtcca tcctgacctt gccagcatgt tggtgaaaaa caagactctt 120
ttagctgagg tatatagctt ttacaaaaac tgaaagtggg aattanatct tctgaaaggt 180
tagganagan agaggggagtn ttgntanccg ttanaggcgt tatntnanc nantttngnc 240
ccaacccaan ncnaattttt ttctttanng gggagttnaa atcccggtg ngcnttanca 300
cttctacatg ggaaata                                     317

```

<210> 439

<211> 327

<212> DNA

<213> Mus musculus

<400> 439

```

caactgagga agtggagaag cttctcgatt ggaagccgct gccgtcaatc atatgccgag 60
cggggccggac tccccgacaa gccctccaga gtctctctgc tgccggagca agctcagctg 120
tcccggggac cacagattgg aagcaggcag tcaactggtc tggacaggaa gactctctcc 180
ggccttctca gctgtggtcc tctaacctgt gcctgtgagc caccaagagt gaacggaaac 240
tagaagcatt gccaccaaca actggagcag tgaccacact gaagtttctc tggcgagggg 300
aaaggggagc caggaggaaa aaaaaaa                                     327

```

<210> 440

<211> 418

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 357, 375

<223> n = A,T,C or G

<400> 440

```

acagggctctc agtatgtatc tctgtctggc ctggaactcc ccgtgtagac cacactgacc 60
tcaaactcac ggagatctgc ctcccaaaaa ctggaagcaa aggcatacag caccatactc 120
agcaagactt caactttgca tctttcatgg ataaagcacc cagaaatccc tgtggctgat 180
taattcctgt ttcatgtatt taagattgga cagaggcgac atgtcagacg agacagtcag 240
cagatcacag ttctccttga agacgtacgc agttagagtg tttgctctcc ctgtgtcttg 300
gtattattct ctctcccaga tcaaattttc accagtagct aagaagctgt tcatggnaac 360
tgccgtgagt gctgngtctg ggattttctg gcccatcact ttaaaagaag acggggga 418

```


- REPLACEMENT COPY -

<210> 441
 <211> 383
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 324
 <223> n = A,T,C or G

<400> 441
 aagactgaga tctctgcctg gcagattaac taacgacaag gaagactggc cttacctcca 60
 ttcccagtg tgccttttac aagacctctg caacagactg tagcccaagc ccccttgctg 120
 ccctgtttac cccagacatc tttctggggg ccacttgaag tcagcagctt gaagatgagc 180
 agcaccctct tagcatgacg accttggacc atgtcattgc caccaccag tcagagtggg 240
 tctccttcag tgaagagcca ttgttcccca cccctttaga ggggggcact gaagagcact 300
 tcccaggact gtcattcttc tcanagcggg ctgagagctc ctctggggag aacctgtcgc 360
 tggatgaagg ctcccaggac ctt 383

<210> 442
 <211> 165
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 33, 36, 64, 66, 68, 69, 84
 <223> n = A,T,C or G

<400> 442
 gatttccaca ggctatacan gagaaaccct gtntcnaaaa accaccgaaa acgatagctg 60
 agancngnng taacactcat cttnaatcca agtacttagg aggtaaagac agaaagttct 120
 tctgctacac agagttcaag gccagcctgg gctacaagaa actca 165

<210> 443
 <211> 298
 <212> DNA
 <213> Mus musculus

<400> 443
 ttgacacact gagcctagca aagctggcta tgaccatccg ccgcttaagc ggagccacct 60
 gctgtgctgc tcctttgatg tgccactacc tgcccagagg ccaacctgcc tgaggcagaa 120
 cctgttgtct tccaagattt tctggagtta gcaccgaact gcaatcttca cgagttccca 180
 ctaaaagact gacctatcta cttcaaagaa actttgcatg gctagggtatg ggcctcccct 240
 cttctttata aagcgtgttt gctgacatta aaattgaact ttgatcagaa aaaaaaaaa 298

<210> 444
 <211> 423
 <212> DNA
 <213> Mus musculus

<400> 444
 agctcctgaa gttctgccat tccccgtggg ctgcagttca ggaagcttct ggaacatgcg 60
 gcgcctctgc catggaaaca agatccgcgt cgtcagcttc agatgtgttc ttggaacact 120
 gagttcgcc tggcagctgt ccgaaagtta atcctgtgaa gggacctgaa gcagccctct 180
 gaggaagcct cgcgcacccc tgccgaagaa catcgcagtg tgttcattcc ccttcggttg 240
 gcctcaggat ccaagcagga aagaagaggg aagaactctg aaggacatga gagggacca 300
 gcttacagtc cagggttccc agactgccct ttgagaataa aataggaggc cagaatcaaa 360
 gtcttttggg taaaacaccg cgactgacca cacactaacc catttggctg cccttctttc 420
 caa 423

- REPLACEMENT COPY -

<210> 445
 <211> 280
 <212> DNA
 <213> Mus musculus

<400> 445
 cttgcagacc cttatcgacg tgggtgctgtc tcaacactaa cttggatctg aatctccctg 60
 agtgctggag tcagttctcc caagcgggtgg agttctacct tgcattctct accaggaccg 120
 cttagtaata gctgtctgct ggctcagcgt ctagttcatt tcatactttc cagatcactg 180
 tgttttagca gcagccggcg ttgcatcctc gggcagtatg agagcctgtc agcaggggaag 240
 aagttccagt ttggtttctc catatatggc acccaagggtg 280

<210> 446
 <211> 193
 <212> DNA
 <213> Mus musculus

<400> 446
 gcaaagaaca gaagcagacc aacatcgaat ccatgaaaat ggagggctcc cggggccgac 60
 tgcgaggtgg cttgggctgg gaggccagcc tccgtcagcg acccatgccca agactcacct 120
 tccaggcagg ggacccctac tacatcagca aacggaaacg ggatgagtgg ctggcacgtt 180
 ggaaaaggga ggc 193

<210> 447
 <211> 242
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 62, 67, 78, 79, 95, 102, 109, 110, 115, 128, 136, 143, 147,
 150, 153, 156, 159, 164, 184, 191, 192, 212, 225
 <223> n = A,T,C or G

<400> 447
 gcaccagacc tgttgctgtc aagatggagc agcacactag taaccctact aaggaaaaag 60
 gngctgngga aaatcccnng ggatgccttt gacnctaag antgcttggn tgccnacctt 120
 gatcttcnaa cccatnttgc tcnacgnan atnttnatna tcgnaaacct tgctggcttc 180
 cctntcacag nngggttctg ggaggtagag cntgaactgt tcttnccttg gcttatgtcc 240
 gc 242

<210> 448
 <211> 340
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 51, 52, 53, 57, 73, 93, 95, 116, 125, 137, 144, 149,
 162, 169, 181, 192, 195, 201, 204, 212, 222, 230, 231, 276,
 278, 292, 293, 297, 303, 312, 313, 314
 <223> n = A,T,C or G

<400> 448
 ggtgtctttc tgtgccgaac atgctngaag aaatgcccta gcacttcatg nnnatangta 60
 gaagagcaac ccnggcccta tgggtggaaa ccntnttgtg ccagttgagc tcatangcta 120
 ctcanagctg agatagnaga cccntagant aggagcttga ancgtcgcnc tctggcatga 180
 nggagtcgat gnagntgaac nagnggcttt antatgagag anttgctagn nagtgcgcag 240
 tcattgacat tgatcagttt aaaagactcc aacacntngt caaagagaac annccgngat 300
 ttntacactt tnnnaagag gaggacgagg ctttaagtag 340

- REPLACEMENT COPY -

<210> 449
 <211> 375
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 33, 40, 63, 77, 94, 112, 117, 121, 133, 135, 143, 144, 145,
 147, 150, 204, 231, 253, 255, 277, 337, 348, 356
 <223> n = A,T,C or G

<400> 449
 atgacatcat ctgccccatc ttgtggccta atncacgctn taccctcctg agccgtgttt 60
 acnagtccta ttatggnacg ggaccaggcc aatnccttta ccacttacag antgtangaa 120
 ncaactgtca ccnangtggc tttnnnangan gggagggagt agaactgact gtcccttttg 180
 gccctgacaa gtgaaatcac cttncattgg tttgggctgg aaactcatgg ntggagcaca 240
 ggaagtgggc ttngngtcac tttggcctgt cacttanatg gccttggctc tagcttcact 300
 cccaaagttc tactggatgt ctgatgcaca aattcanagc tttcgggncc tgaatnccgg 360
 tataacatga cacc 375

<210> 450
 <211> 172
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 53, 61, 62, 63, 110, 115, 119, 121, 128, 137, 138, 140,
 141, 143
 <223> n = A,T,C or G

<400> 450
 tgcatacat ggactaagtt gccagangt ttagtacttg ctcccaccgg gcncatgctg 60
 nnnatgacat catctgcccc atcttgtggc ctaatccacg ctgtaccctn ctganccgnt 120
 nccaccgncc tattatnngn ngngaccagg ccaatccctt taccacttac ag 172

<210> 451
 <211> 112
 <212> DNA
 <213> Mus musculus

<400> 451
 tttgtcccaa cagatgggat tgaagaaggc ctctcaggca gattttaaact ctgactactc 60
 tggagataag agcgaggcaa cagaaaacta ataaagattt gtatttgact ta 112

<210> 452
 <211> 250
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 48, 127
 <223> n = A,T,C or G

<400> 452
 ggttggtgca ggaaatatta anaaaatgaa cccaccaact ctctgtgngg ccgaaccaca 60
 ctcccgcgct cctgccagca cgcggaact ctctccagct agcccctgca gcatctggct 120
 cgcttgnccc gggagccact agttccctct ctgctataat cccctgtaat tggatgaccc 180
 atattccagt aaccaaattg aaccaccaac ctcgagggtg catattacaa tacacagtaa 240
 cccggtaaaa 250

- REPLACEMENT COPY -

<210> 453
 <211> 615
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25, 33, 40, 47, 51, 59, 66, 71, 76, 89, 95, 101, 116, 135,
 150, 162, 165, 169, 177, 192, 197, 216, 224, 232, 234, 255,
 260, 265, 277, 286, 293, 309, 315, 319, 343, 346, 357, 370,
 418, 427, 439, 449, 511, 526, 529, 546, 549, 559, 572
 <223> n = A,T,C or G

<221> misc_feature
 <222> 579, 582, 596
 <223> n = A,T,C or G

<400> 453
 gtaattgtgg atcgctcttt acatnccttg ggnggtcgan ccggaanagc nctttcacng 60
 gaagtnccct ngaaanaccg gtacccttna attgnggctt nggcctccgc aaaccnaaga 120
 cccttttact ttgtnacggc aaaagggttn ccgggtccaa ancantant agatttnccc 180
 cggtaacacg tnggcantata atatttggaa atcgctcttt tttnaaattg cntngtcttt 240
 ttaaaccggc attgnggctn gaccnaacc ctttacnttt taatcnggcc ttntacatta 300
 accccgggnt gggtnggcnt tccaaacccc ttggggcgatt tcnaancctt tggggcnccc 360
 ccttggttcn gggaaaactt ggcttgccac taatttaaata ccggcacgcc tggctttntc 420
 ctcatcngcc tccatagtna ataagcctnc aagagttaca accagagtgg cctggaagcc 480
 ggacgatctt tgggttctgg ccagcttatt ntgctagcga gcttgnggnt ggcctacaag 540
 ataacntgna taaccagng ttcagaggca tntgcctgna tnaggccaca ggcctntgaa 600
 ggaccttggc catgg 615

<210> 454
 <211> 343
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 45, 290, 314
 <223> n = A,T,C or G

<400> 454
 accatccaca catgattgaa tcattaataa tctacatgat tactnctcgt ctgcaaaatt 60
 aagcagttct gagaagtcaa gcaactcact gtcttctcct ttcactcttc gtttcctgat 120
 cttaccagtg catcgggtca ggtgggtcata tatgcttagc agaactgcag gacactggac 180
 atactatgga ggcctcagcc tctttctctc ctgctccctt gctgtggagt aacttcatcc 240
 atcacgctgt cctagtggct tcttcagatt atcaaagttc caataatcgn ctctagggga 300
 catgtctcta aatnccattc agaagtttag cataattttt agt 343

<210> 455
 <211> 266
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 105, 114, 116, 127
 <223> n = A,T,C or G

<400> 455
 ctctgatccc gcttgctggt cctactgaca cctgagccgc ggtggcgatg ctgctgaggg 60
 ccttccagcc cagcaggtcaa cctacttggg aggagtgtct tttancctca aggnctnctca 120

- REPLACEMENT COPY -

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agtgcangaa gagagtgatc tagaaatgta attgaaaata gaatagcatg aaagatatatta 180
atgtcttttga atattttattc tcagtgtatt ttaatatatt gataataatt aaaggctctgt 240
gagttttaacc agtgttttttag gatata                                     266

```

```

<210> 456
<211> 412
<212> DNA
<213> Mus musculus

```

```

<400> 456
gactgaggtc cggatggcga ggggggcacag gagctctcga tgtgacctgg cgctgtggat 60
gtgatgcaca gcagcttgag tgggactgct ccgctgtcct catgagagaa cgcttttttct 120
gaagatggga ggtggctaata gaaagaagga attgtgttct cggatgatgcc tggaagagat 180
gcgtgacgtt ggaagatgat tacgaaatac aggaaaggaa tgaaatcaaa ggatgtttttt 240
tgtaagagta acacttacag aaatattcat taatttgaag atttatataa ggcctgggtga 300
cctccgttaa ttcctgggac ccacagtgtg gaagaagaga cctgactcct gaaagttgtc 360
ttctgaccac atatacacia tatgtaaata aatgtaatta aaaaaaatca aa          412

```

```

<210> 457
<211> 329
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 280
<223> n = A,T,C or G

```

```

<400> 457
tcaatgctag aaggtgaagg aaagccactc aaccagact cagtcagggg aacctctctg 60
gaaccatact tctgaaaacc tggatgccaa tgacattttt tgtggagata agattcaagt 120
acagaaaata aaagtgcata ggcctgttga aataccagct ctactaaaag cagcacttaa 180
ttctaagaaa tggggctttc ttatatgctt tacacatttt ctattatcaa agttttatat 240
gttgtctcta taacttctgt gattgttgaa tttgtaattn ttatacctaa aacttaaaat 300
aaattcacac aattttctgta aaaaaaaaaa                                     329

```

```

<210> 458
<211> 218
<212> DNA
<213> Mus musculus

```

```

<400> 458
caagccatct ctccagcctg agagtgcgtg ttcttatcat gagaagacaa acagcagtgg 60
agttggcaag ctgcctcagt gggattctga tgcttcatga catgccatca tgtagagcaa 120
taatgaacac tggcctatct tggactagcc gacaaccctc agaaatgata ccgtaataac 180
ctaccgcagg gaagctgagc tcgagtcctc atgactat                                     218

```

```

<210> 459
<211> 432
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 277, 283, 288, 295, 298, 319, 324, 330, 334, 335, 346, 347,
352, 362, 366, 372, 407, 414
<223> n = A,T,C or G

```

```

<400> 459
ggacaagttg cttcctgaag gatccatgtg tattgttcaa aacacaagct taaaaagagt 60
gcctgcagac agatggccca catcttcgtg tatggcacc tgaagcgcgg ccaacccaac 120

```

- REPLACEMENT COPY -

```

cacaaagtca tgctggacca ttcacatggc ttagcagcct tccgaggccg aggctgcaca 180
gttgagtcct tcccactggg gattgcaggc gagcacaaca taccttggct gctgtaccta 240
ccaggcaagg gccactgtgt gacagggtgag atctacnagg agnacganca catgntgngt 300
ttcctggatg actttgaana ctgncccagn atgnnccagc gcacanncct gnagggtgcat 360
gngctngagt gngagggtga cagtgaccct ggtgacaagt gttgagntct ttnggtacac 420
tacagcctcc ta 432

```

```

<210> 460
<211> 340
<212> DNA
<213> Mus musculus

```

```

<400> 460
ctgaggccct tttagctacc cattactgga ccagaaagat gacatctatc atcaagttaa 60
ccaccctctc tgggggttcaa gaagagtccg ctctttgcta tcttctccag gttgatgagt 120
ttaggttttt gttggactgt ggctgggatg aacacttctc tgtggacatt attgattccc 180
tgaggaagca tgttcaccag atcgatgcag tgctcctgtc tcctcctgat ccaactccacc 240
tcggtgccct cccattcgcc gtggggaagc tgggtctaaa ctgtgccatc tatgcaacaa 300
ttcctgtgta taaaatgggc cagatgttca tgtacgacct 340

```

```

<210> 461
<211> 134
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 22, 28, 35, 38, 43, 48, 54, 62, 81, 89, 110
<223> n = A,T,C or G

```

```

<400> 461
caggatttct ctgcctctgc cnaccttngg ttcntgncc ctnagagnaa ctancctgga 60
gncacttctc tgggtgacacc nactcaaana gaacacttct gattaaaacn tgtggaaccc 120
acagatggac aggt 134

```

```

<210> 462
<211> 390
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 190, 200, 209, 219, 269, 276, 291, 328, 338, 339, 367
<223> n = A,T,C or G

```

```

<400> 462
gactgagctt gcccggggtg caaatggaag atttaagtcc cgttctggac acaaaatcaa 60
ctctgtgagt ggtgactgtc agctgccggc ttcaccaatg ctttctcaaa gcatgtctgt 120
ggaagaaaca gcaagaaaac tgctgtctaa cttaaggga attcttctat actttgttcc 180
cgagtttcan ctatcatcan aatttgagng cacatctgng gaagaactca taacaaatcc 240
tgagctggag cgatgcccaa agaatatana cgaaangcta aaaacgtgtt ncaaccagat 300
ccagaatatc tacatggctc agtatganaa aagactcnng aggaaaatgc agtccattgt 360
ctatgangca acacagaagg ggcttactca 390

```

```

<210> 463
<211> 149
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature

```

- REPLACEMENT COPY -

<222> 22, 24, 25, 50, 56, 60, 63
 <223> n = A,T,C or G

<400> 463
 gacgtgtcaa aaagtggaga angnncatgc cttcaaagcc caccgtgctn agctgnccgn 60
 tantagctct tacttccggg acctcttcaa cagcagccgc agtgctgtgg tagaactgcc 120
 ggccgctgtg cagccacagt cattccagc 149

<210> 464
 <211> 128
 <212> DNA
 <213> Mus musculus

<400> 464
 gcccttctcg aagccacaaa aatctggaac ctggtgtcct ggccatgtgc tgaatgcacg 60
 cacagcacag ctctgggtatc tgttttaaat tatccattaa aataagtaca gtccctggaaa 120
 aaaaaaaaa 128

<210> 465
 <211> 108
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 45, 68, 73, 76, 85, 87
 <223> n = A,T,C or G

<400> 465
 gcccatcttg cacagtccgt agaccatgac ttttacgtgg atatngaccg caaagaggag 60
 agcttctncc agnccgnaggg ctccntngat gctctgtgta cacacctg 108

<210> 466
 <211> 197
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 45, 66, 68, 69, 73, 82, 111, 114, 126, 134
 <223> n = A,T,C or G

<400> 466
 ttatacaacg ccgtgactgg naaaaccctg tacgttacct aacanaatga gcttgcggaac 60
 acatancnnt ttngccagct gncgtaatat cgaataggct gaagaaaatt ngancccata 120
 gagggntgcg ccanttttgg ggccttcctg ttcgcgggcc agcacaccat gaccactggc 180
 cgcagggggcc cgaactg 197

<210> 467
 <211> 163
 <212> DNA
 <213> Mus musculus

<400> 467
 ttgatgatac aaggggaagt aataatgaca actaccaagg agatttggag cccagcttag 60
 agacacctgt ttgttcttcc tattatgaaa atagcccga ggagcccagag tgtcatgatg 120
 acaattccca ggaagatgaa gggtttatgg gcatgtccca tgt 163

<210> 468
 <211> 324
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 59, 68, 114, 122, 124, 159, 301

<223> n = A,T,C or G

<400> 468

```

gatgaaaaag catttgtaac tatgaattga ctacagtttt cttcttcctc ctttcctgna 60
attctgtntc tttccttttg ttccttcctt gcttgagaga ctcaaagcac ccgngactct 120
gntnccccat ttacccctt ttgaatttgc actaagtcna ttgactgggt ttggagtccc 180
ggagatagct ttgagtctct ccgtatgaat gtatacagcg agtgtgtaaa cctctttggc 240
aatgctgccc cagtaccac ctgtcgtcca tctccgtctg agggcaactg ggtgtggccg 300
ngtgcttgag gcctcgcctt ccct                                     324

```

<210> 469

<211> 174

<212> DNA

<213> Mus musculus

<400> 469

```

ggccctcata atcgagaata tcgatgagga cttcagggac cagaggaagc cgggaaaaga 60
ggcccatggc gtcgagccca gccctgaccg ccagctggct gaggtcgtgc cctgctgggc 120
tgccctccaa tgtgcctcac gcaataaaga attctccctc tgcaaaaaaa aaaa      174

```

<210> 470

<211> 109

<212> DNA

<213> Mus musculus

<400> 470

```

cgggaagagc acaccagcc caaacctaga tttggatctc gtccggaagc agttatccag 60
agccggtatc ctcgctcaga gaacagccac cgattttaaa gcccaggcc          109

```

<210> 471

<211> 416

<212> DNA

<213> Mus musculus

<400> 471

```

tgagataaaa atctggacaa tgccgcagaa gcagctgagc agttttaaatt aatccaagct 60
gcatatgacg tcttaagtga ccctcaggaa agagcgtggc acgataacca ccgagaggcc 120
ttacttaaaag gagggctcga tggggaatat caagatgaca gcttagatct gcttcattat 180
ttcacggtta cctgttatct tggttatggg gacgatgaaa gggggtttcta tgcagtgtat 240
cgtgttgtct ttgagctgat tgcaaaaagaa gaactggagt gtatgtcaga gggagatggt 300
gaggattttc caaccttcgg cgactcccag agcgactatg acacgggtgg ccaccctttc 360
tacgctcact ggcagaattt tctgcacaca aaaagaaatt ttcctggaag gaaagt      416

```

<210> 472

<211> 180

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 29, 31, 43, 45, 56, 65, 78, 87, 99, 136, 152, 154

<223> n = A,T,C or G

<400> 472

```

taatctcaca gactattcta aacttntang ngcattttatt gcngncgaaa agcaanaggg 60
agtanctgcg gaagtgggag aagactncaa catcaaagng attatctgca ctctacttgg 120

```


- REPLACEMENT COPY -

agtgaagagg acacanaggg accatgaagc gntncttgtc cagattctct caaaatctca 180

<210> 473
<211> 405
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 372, 375, 387
<223> n = A,T,C or G

<400> 473
gttaacattt ctgagctgtg ttccccgagat gcttgattga cccttgaagt tatgtggaca 60
gagattctca cgtgtgtcta ttttaaccac cggacccagc attgtatctt aatgttcaca 120
taagtcagaa ctttcataag aaagagaatg ggagctctgg taaacaaaga tgactttatc 180
agagacttga agaggatcag tctctgtctt ctgatactgt acgtgggtcgt tgtgggtgggc 240
acagatcaga attttttacag tttacttgga gtgtcgaaaa ctgcaagcag tagagaaata 300
agacaagcct ttaagaaatt agcactgaag ttacatcctg ataaaaaccc gaataaccca 360
aatgcacatg gnganttttt aaaaatnaat tggaccttat gaggc 405

<210> 474
<211> 255
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 210, 227, 235, 238
<223> n = A,T,C or G

<400> 474
gaaatcattt caaaaaattt cccaatcaga ttctgaggag tgggaatctt tgaaagactt 60
gagaagtcag cttgaacatt taagatctga gcactcattt ctaagtaaac ttactggctt 120
caatataaga aactattcca agatggaaga cattgtaaac actgaagaga cagaaaaaga 180
tacaagaaa gttctacaga aacacagatn atcaggaaat tgcaacntgg cgacnttnca 240
actggaattt gaggg 255

<210> 475
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 62, 66, 140, 148, 172, 185, 241, 259, 329, 330, 340,
394, 465, 473
<223> n = A,T,C or G

<400> 475
acctctcccc agaggagcag tggaggggtng aacatgctcg aatgcatgcc aaacatcgtg 60
gncacnaagc catgcacgct gaaatgggtcc tcactcctcat tgctaccttg gtgggtggccc 120
agctgctcct ggtacagtgn aaacagangc atccccgttc ttacaatatg gngaccctct 180
ttcanatgtg ggttggtccc ctctatttca cagtgaagct gcattgggtg aggttcttgg 240
ngatctggat cttcttctnt gctgtcacag cctttgtcac cttccgagcc acaaggaagc 300
ctctagtaca gacaaccca aggttggggn ataaatggtn tctgctgatc tataaaatca 360
gctatgccac tggcattgat ggctacatgg ctgncatgtt taccctcttt ggtcttaact 420
tattattcaa gattaaacca gaagatgcaa tggacttttg cattnctctt ctnttctatg 480
gcctctacta tggag 495

- REPLACEMENT COPY -

<210> 476
 <211> 216
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 61, 130, 135, 137, 159, 162, 178, 186, 197
 <223> n = A,T,C or G

<400> 476
 cggttttctca gcgactatgg cctgcagtggt gtggggcgagc ccatggacca ggagaactca 60
 naggaagaaga cagtctctga aaatgatgag cgagactgga tgaaggccaa gaagtttttg 120
 aagccaggtt aagcgtntgc cctggccccc acctaccanc tncctgaggg cctgccantc 180
 ttccanaggc ccattgnttg aaccctgac atccca 216

<210> 477
 <211> 222
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 23, 44, 56, 57
 <223> n = A,T,C or G

<400> 477
 ggagcccaaa gtcctgcct ntnaggacc agctactttg cctncatcta cctctnnctt 60
 ggtgattccc tccctgcctc acatctgggg cccattagca ccctctttcc tggttggtgg 120
 aaagtgaag aagatgggag gcatacctgg tgctcaacac gcagtaggcc ttcaataaaa 180
 gccacttgca ttagcatttt atacttcact taaaaaaaaa aa 222

<210> 478
 <211> 290
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 266
 <223> n = A,T,C or G

<400> 478
 gcccaacaca gagatacttt cattgaagaa cgctatggaa aatataacat cagtgaccct 60
 ctaatggctc ttcagagaga ttttgaaaca ctgaaggaga aaaatgatag tgagaagcag 120
 ccagtgtgca caaacccct ctctgtcctc aaggcggtga tgaagcagtg caagaacatg 180
 caggagcgca tgctgtccca gctggccgca gccgagagca ggcaccgcaa ggtgacccct 240
 cgacctttga gaaaaaagga cagagncttg cccaggacac tgttgaagga 290

<210> 479
 <211> 310
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 79, 82, 183, 190, 203, 206, 210, 212, 213, 216, 222,
 230, 253, 280
 <223> n = A,T,C or G

<400> 479

- REPLACEMENT COPY -

```
gtgctcctcc cagacaagtg ctectnccgg taaagttatt cttcccctgc agattaatct 60
ttctccactc gcctaacctt gngggagaag ggggtctaaa gtctttctgt ctactgtccc 120
tctgactcag gtgcctcagt tacgctccaa agtgggtgaat gggttaggat ttctattccg 180
tangaggctn ttgccttttt ggnggnttgn tnnctnatat tnataatccn atttggaaag 240
ctgacacaag aangttattg tgagtttgag gccagcctgn gctacagaat aagaaccttt 300
ctcatataga                                     310
```

<210> 480
 <211> 373
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 208, 209, 210, 212, 214, 216, 220
 <223> n = A,T,C or G

```
<400> 480
atcaattaaa agaagaatga gctgtaatcc ctgaagataa aactggacag ctttttccatt 60
tagtatatgt atatttttaa ttataaaagt tcagggtggag tcttcagttt atcagtactg 120
agcagcagat caccattttc agggacgata cctgcctctt cttttttggt gttcttggca 180
aaaattaaac ccattgcgtc attgtaannn angnangggg gttaaattcag gatacaagtc 240
atggaataaa cttcccacat gctttgctta aaaaacaaaa ccaaccaaac tcaaccatta 300
caccgaactt tggacttctt gaattgagct ttattttaat ataaatacct gaagtgattt 360
tctcagaaaa aaa                                     373
```

<210> 481
 <211> 421
 <212> DNA
 <213> Mus musculus

```
<400> 481
ggctgtgatc tctcctcgt agcgccctccg gttctcgggg tccgtgatct ccgcggcgta 60
ctcggagAAC attcggcgga actctgggtc ctgaaaggcg gaggtgaacc gctgcacctc 120
ctctctgctc agatccaagt cctccagcgc taaggaggcc gccgccttgg ccatggtgac 180
ccacacggcc caatgcccag acccagtgaA ggatcagggt gaattgagtg tctaggatgc 240
gcttcagagt ctggctcatg gagaactgac cagtccaaga aggccttcct ctgttacatt 300
ttaagtagac tgtcccaaga ttgggatgac acctcatctc cgttatgcca tctctttcac 360
atgctaaata tatgtactca actaccatgg tgactctgag ttcaaggcca gcctggtctg 420
c                                     421
```

<210> 482
 <211> 428
 <212> DNA
 <213> Mus musculus

```
<400> 482
ttatcttcac ctgttggtgt aagcatagca cttttcaagc cactgtagaa atggacaaag 60
aagaaaggaa gactatcaac aagggtcaag aagatgaaat ggagatacat ggctataact 120
tatgccgctg gaagcttgcc atggtttttg taggagtgat ttgtactggt ggttttctcc 180
tctcctcct ctactggctg cctgagtggc gagtgaaagc cacatgtgtt agagctgcag 240
ttaaagacag tgaagtgggt cttctcagga caactgatga atttagagta tggttttgtg 300
caaaaattca ctttcttcct gtggagaatc aaccaaattt gaatgcaaaa tgttttagtta 360
atgaggtttc taatggccat gctgttcac tgactgaaga aaatagatgc gagatgaata 420
aatctcac                                     428
```

<210> 483
 <211> 324
 <212> DNA
 <213> Mus musculus



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<400> 483
tgggtcccta aggcagccgt ttcttgccgg ccctgggagt ctgctatggc gttccctcac 60
ctacaacagc ctagtttctt tctgtgtacc cctctggaga cagctgggtg gaccgggtgac 120
ctgcaccatc agattttatt ttctaagagg gctcttgcaa tccctacttg tttagagggtg 180
gtcagctggc ccaagtcttc agattgaacg actagcatct cctgatctct atttggccag 240
aggccacttc tccatggagt cgggtgtgtg cccacatccc aagactttta ataaatctcc 300
ttggtttctg ttcaaaaaaa aaaa 324

<210> 484
<211> 255
<212> DNA
<213> Mus musculus

<400> 484
gccctgagag ctgaagttgg gagaactgct tcatgataaa gctgtttggt ctttttgaag 60
ccatgtctgc tattgaaatg atggatccta agatggatgc cggatatgac gggaaccaag 120
tgaatagaaa agttctcaat tttgaacaag ctatcaagga tggcaccatt aaaattaaag 180
acctcagcct gcctgaactg ataggaataa tggacacctg tttctgctgt ttggttaagaa 240
ataaaataag actgt 255

<210> 485
<211> 557
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 34, 48, 58, 73, 103, 104, 135, 144, 149, 208, 217, 242,
271, 277, 290, 293, 296, 302, 305, 340, 347, 359, 363, 371,
398, 405
<223> n = A,T,C or G

<400> 485
atcccaagat ggctgggcnt aaacttgctc taanaaccat tgattggnta tcttttgnng 60
aggatcatgcc ccnaaaccag aaggcaattg gaaatgccct ganntcctgg aatgagacct 120
tccacgccag gttgnctagt ctgnctgana aaccacctgc gattgactgg gcttactaca 180
gggccaatgt ggccaagcct ggcttgngng atgattntga aaagaagtat aatgccctga 240
anattcctgt gcctgaggat aaatacacag ncctggngga ccaggaggan aangangatg 300
tnaanagctg tgctgagttt gagtctggat cccagctcan gatccangat tatgagaanc 360
agntggagaa natgacgaac ataattccct ttgaccanac gaccnttgat gacttgaatg 420
agatcttccc agaaaccaag ctggacaaaa agaagtaccc gtactggccc caccagccca 480
tcgagaacct gtgaagcagc ctgggacgga gccccggccg acatgaaata aacatttta 540
atagtgaata aaaaaaa 557

<210> 486
<211> 247
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 158, 159, 165, 167, 173, 179, 180, 182, 188, 189, 190, 195,
202, 206, 207, 209, 210, 214, 216
<223> n = A,T,C or G

<400> 486
gtcccagccc agatccaagg aacgagcatg cccagaatac ctgagctctg agcgtagtgc 60
ggcccagcag cgtgcgtcgg tttgaaagct cggctccaac ccagcggact tcagaagcag 120
ccggtggcgc agttccccgc cccctcagcc ctgtatcnna cccanancct gangctgcnn 180
tnttaccnnn agggntctgt gngcannenn ttantnccac tttcatactg gaatgtgcag 240
gcagaaa 247

- REPLACEMENT COPY -

<210> 487
 <211> 234
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 55, 70, 77, 78, 88, 94, 111, 126, 138, 139, 144, 163, 174,
 177, 187, 199
 <223> n = A,T,C or G

<400> 487
 aagaggttgg gaggatcatg tatggctatg aaaagactta cctgagagat gagcnctttc 60
 tgcagcgccn tcctctnntg caggcganga tganagcagt tcttctggat nggctgatgg 120
 aggtgngcga agtctatnng ctengcagag agacgatcta ctngggacag gacntcnttg 180
 atcgttncat ggctcacanc agaatatcat aaaaacactt ttacagctta aaaa 234

<210> 488
 <211> 489
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 389, 395, 408, 411, 458, 465
 <223> n = A,T,C or G

<400> 488
 aagcctgacc agacttggaa ctgaagcacc ttaaggacaa aagaaagact tgctgagctc 60
 gctcacagac cttctagagc agcgctgggc tcatggatct ggagattatg gacagaagat 120
 aatgtagatg ttataaccag gccagcgctc tgtggtaaag ggtgtcttta gatcactgtt 180
 tcgtcggtat aggtaaatga catgaagaac atctttatag gcaggggatg agaactctgag 240
 atgaagaaaa gaggctcccc tgatggacca ttctaagcta ctgtcagaag caggatccat 300
 agaacttaag gacatgattg caccaattat cagacattgg ccctcttaag gtcattgggtg 360
 gatcctttta agaatttttg gcttttctng ctggnccttt cataaaangg naaccctcaa 420
 ttttttaagc cttcctatct ggaaggattt ttaaaaancc atctncaata agtaaatttt 480
 cctcatttt 489

<210> 489
 <211> 390
 <212> DNA
 <213> Mus musculus

<400> 489
 atgagagcta cacctctggc tgcttctgct gatgtttcct gcaggaagaa accgttggag 60
 tttgatgaca atattgatgc caagtgtcca gtcctaaaac gagtgagaga tgagcctgag 120
 cccggaccac tccccagcct gctgcccccc agccacctc ccgcctcaga cttgtcacct 180
 gctgtggccc ctgcaactcg actggggcct tatatccttt tggaacgaga gcaaggcagc 240
 tgcagctatc gagccctgca ctgccccaca ggcacagagt acacctgcaa ggtgtacccc 300
 gccagcgagg cccaggcggg gctggcacct tatgcccggc tgcctacaca ccagcattgt 360
 ggccccgttc cacagaggtc ctgctgggct 390

<210> 490
 <211> 900
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 572, 585, 603, 673, 676, 723, 740, 764, 796, 809, 817, 818,
 840, 844, 849, 864, 865, 867, 870, 873, 881

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 490

```

gcttctggtc tgtggcaggc aagagaattc tgccccctgag gcatggccgg aagacagaac 60
tagctgagtg cttcagtcctg cagaagtctt tcaggattca gctgaggtgg gcctcagtcg 120
gcagacaaga tgctcctggc tctgggactc acgctgggtgc tctatgcaag cctccaggct 180
gaggaaaact ccttcacccat caacagcatc catatggaaa gcctgccatc atgggaggtg 240
atgaatgggc agcaactgac cctggagtg cttgtggaca tcagcaccac ctcgaaaagc 300
aggtctcagc accgggtgct gttctataag gacgatgcga tgggtgtataa cgtcacctcc 360
agggagcaca ccgagagcta cgtcattcct caagctcggg tcttccactc cgggaagtac 420
aaatgcacag tgatgctgaa caacaaggaa aaaaccacga ttgagtacga ggtgaagggtg 480
catggtgagt ccgcaagcag aatagcaggt tgatgatgat gctcacgttg gtgacgctgg 540
tcacgccgct catggtgacg ccagaaaccg gncagtga aa ctggnttcct tctccgctaa 600
ctncaccttt cctgggtcact acctggcatc ctgacctgaa actgtaggct ttaaaaactt 660
cccgtttgtg tgnaanacag gactttcttc cctttgggga atgaagtccc tgggcctttg 720
ggnaaccacc cctttccttn aatcccttcc cttaaagtaa attnggactt accatttttt 780
ccccaaaaac ccccnntttt tttttttgna aacaggnntt tcccctttaa aaagccccc 840
gggnccaang ggccttttta aaannnttn ccnttggggg ncaattggcc ccccttgggg 900

```

<210> 491

<211> 263

<212> DNA

<213> Mus musculus

<400> 491

```

tgtgctggag aagagaaacg agttgggtaca cgcacagtgt ttgttggcaa tcatccatt 60
tctggaacag aaccttatat tgcgcaaaga ttttgtgata atagaatagt ctcactaag 120
tatacacttt ggaatttcct ccctaagaat ttgtttgaac agtttagaag aattgcgaat 180
ttttatttcc tcatcatttt ccttgtacag gtcacagtag acacaccaac cagcccagtt 240
accagtggac ttccactttt ttt                                     263

```

<210> 492

<211> 182

<212> DNA

<213> Mus musculus

<400> 492

```

gtggcacaag acttgaaatt gctttgaagg tgaggacatc ccctccccca ccgccagcca 60
cccctcctct tacgtctgta ccttgaaagc tgctgctgct gcttacagaa ttatatattt 120
ttcttttgaa gagttttaag aagttgtaac tttttgtgtc ttgtcatgta aaaaataaat 180
aa                                     182

```

<210> 493

<211> 868

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 666, 682, 690, 726, 735, 736, 743, 748, 750, 765, 781, 787, 819, 822

<223> n = A,T,C or G

<400> 493

```

gaggaggact tacataccaa gcggctctcc atgcctccgg tgcgctctgg gcactctctc 60
ccgcactttg ccaaagtcgt tttttctgtc gcgatgtgtt tctgcaaca ctggggcatc 120
ctctaggatc caccagcccc cacttttggg tctcagggtgc agtcaactgg gactcctgct 180
tcccttcttt gaccacttcg gccctcctg aacacgggtcc cctgtcttca atccaaatcc 240
aaagaacaga gtatagccag agttactcat tgaatgacac ctaaaactta gaccgctgtc 300
cccagtggac ccagagttg ccaccaggg ccgttttgca ttcacgcaca cgcttcaatg 360

```

- REPLACEMENT COPY -

```

tacagagtcg ctgtgtgttc aggcacctga ctctcactcc atccatcacc tctaccagga 420
aagtctttct gccataagga aataaagaaa ctatgggtcca tttgtagtaa gaggcgcgtt 480
taaagctcat cgggtggatta caggaaatta ggaggattgg gcccttggat tccctagccg 540
gcagcagggt ctttcttgcc taacatttat taatttatca ttgggttgaa acgttgcagc 600
tgttaacatg actaacataa aaggagagga tctgactcca ggatatatgt caaagagctt 660
tgcattctgc accggatagg anaagggaan ttggagaaaa gggtaaatgc ctataagaat 720
ggaatnctcc tggannaact cantaagnng ggaatttttg gaacnaggga aaatgccgaa 780
nggggtnatt aaaacctaatt ttataacca aactgcatng ancagccggt ttttgccttt 840
tttttttaggt tggacaccca actttttcc                                     868

```

<210> 494
 <211> 118
 <212> DNA
 <213> Mus musculus

```

<400> 494
ggggagctcc ttgtatttgt ttcccaggga gtgattagct cttaaggagt gaaatatgga 60
gttgtagcagg aacactaaac gatgtaaaat aaatgactga agagtggaaa aaaaaaaaa 118

```

<210> 495
 <211> 276
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 33, 43, 49, 62, 65, 68, 69, 84, 88, 100, 113, 138, 175,
 196, 208, 217, 226, 228, 231, 252
 <223> n = A,T,C or G

```

<400> 495
ctgacaggta ccgcctgaag natgggttga agnatatata gtntgggcna gggctgaagc 60
anacngannc tctaaacaat cagnctnng agctggaacn cctgattgac tcngcctgaa 120
cgaaagatgg actggtangc atggccatcg ttgggtggcat ggccctgggc gtggnatgcc 180
tggctggact cattgnactg gctgtatnca agtccanac ctgaangnag nctcacctgc 240
tctctgcccc gnacgcctat gacctggggg acactg                                     276

```

<210> 496
 <211> 391
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 78, 83, 113, 236, 328, 335, 345, 357, 364
 <223> n = A,T,C or G

```

<400> 496
tctgactatc cggaactaag gttcaangct accgatggag cgacttcccc acagcagccc 60
tgctgccttc ctgtcagngc tgncttgccg agtgagacca ggctgaggaa ggncacagac 120
agctgaatct ggaccagcga cacttcccag gctcctcctg ctggggcccag gccccgacta 180
ccctgccctc tctcaccact tccgccatgc tgcagagcca ccacaagcta aactgncagc 240
tgtgggcgtc ctcaagggtg gcattttccct tttcttccaa ccgtggcacc caccatgaag 300
ccaggacagc acagggatac ccccaaanaa ttctnngccc ccanttttt tgaaaaanatt 360
ttanaggttt taagcctttg gcccaccaaa a                                     391

```

<210> 497
 <211> 441
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 405, 409
 <223> n = A,T,C or G

<400> 497
 actgagggct cctgatcacc cagaccagct cacctatgga gcagaacaaa gagacctgga 60
 agatggagag acaggaggca gtagctaagg atccaggacc acaagccagc tattcattat 120
 tcttcaaaga gaaaatcaaa gaagagaccc agaaagaaat ggctgggttct ccattaatca 180
 tgtcacagcg tctgttgaca tttggggatg tggctgtgga attccccagc gaggagtggg 240
 aatgcctgga ctctgctcag agggccttgt acattgatgt gatgttggag aattacagta 300
 acctgggtctc tgtggaaaag aaacagaccc tttcatgggt ttcaagtaca cctttatctt 360
 aaaaggaaat ggggttgccc gccgtgggtg cgcacacctt taatngcana ggcagggtgga 420
 ttttttgagg gccccctggg c 441

<210> 498
 <211> 101
 <212> DNA
 <213> Mus musculus

<400> 498
 atgcctcccc gattctgaca gaaaagcagg caaaacagct cctgaggtcc aggcgacagg 60
 acaggcccaa caaacctgga ttcccggacg agcccatgcg g 101

<210> 499
 <211> 724
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 618, 673, 682, 684, 700, 702
 <223> n = A,T,C or G

<400> 499
 ccatgctgac ttattaacag accttagagg ccctgcgtgc ctccaaggag cccctgggtga 60
 tccaggtgct gagacgcagc ccccgctctgc ggggggacag ctccctgccat gaccttcagc 120
 tgggtggacag tggcactcag accgacatca ccttcgagca tatcatggcg ctgggcaagc 180
 tgcgcccgcg caccaccacc atgggcatct tggagccgta cgtcctccct ccctactttg 240
 ccattgaatc tgggtgggag aggatactgc aggcaccaga tgctaaactt tcctaacatt 300
 ttgaagtttc tgtagtttgt cctttgtcct gacacctatg tataatgttca aaatgttgat 360
 cttccactgc agattttgaa aagccttggt attggtcaag cggggagtggt gttcagtggc 420
 tccttctgag gagcagacgc ggtgttacat gagtactgag agttgagtag aactctctgg 480
 atgtgttcag atagtggaaat tgctacattc tctgatgtaa gtaagtattt acagatgtta 540
 aatgggagta tttttatttt atgtacatac tctacaacta tgggtctttt tgggtacaagc 600
 tatgcactgg aaatgcangc cttcttttca aaaactggct aaaattttct taatcaagaa 660
 tatttcaaat ggnatttatg angnggaaac aattattggn cnctaacata tttagaagct 720
 aaac 724

<210> 500
 <211> 373
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 32, 34, 55, 81, 97, 99, 133, 144, 146, 164, 171, 196, 206,
 220, 245, 339, 347, 355
 <223> n = A,T,C or G

<400> 500

- REPLACEMENT COPY -

```
gtcacatagc acgacatacg atagcacgca tncntatgtg aagctagggtg tagtngatac 60
tttcacagtc acaaattgccc nccctagcga gcgtagnnga accggcacag agaacagaga 120
acatacacia canaaggact ctengngatt tccactgcct tgcngtccac ntggttcact 180
agccagacgc ccacangaga ctgtcngacc acagagagcn cacacgtaga cgcggacgcc 240
gtggnaaaga gtctctgcat cccacaggga cggatggcgg cggctccaca aggtgcgcgt 300
gcaccgaggg gcagggtggac cctctcacat ttcacaggnc tgccggncag aatgnccctc 360
ataaatgtgt gat 373
```

```
<210> 501
<211> 424
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 385, 407
<223> n = A,T,C or G
```

```
<400> 501
gactgagctt taaaatacaa aagctgggggt cccacatgc tgcattcatcc aaggctggac 60
agtacacaga acacaaatct caaatcagaa gtcctctgaa acagccgtcc tgatgggatg 120
gagactcatg ctgagaagat ctgaagatga catacagcat cgcctgtca ggcagccagc 180
taccagaagc tagctctcga agcccagcaa gaagttctct gtggctttgg gcatctgtgc 240
ccagggaagg accatgcgtt gtgatgtctg ctgccagcag acaagcatct aagagactgt 300
gacctgtatt actagctatc aaattgtgtt ttttggaaag ttggcctgtg aatcaggcga 360
ttcctctgct gacttgcaaa gaggnctctc taaataaaag cttatanggt tttaaaaaaa 420
aaaa 424
```

```
<210> 502
<211> 114
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 18, 44, 64, 90, 93
<223> n = A,T,C or G
```

```
<400> 502
ccagtgtgca tgcttcantc atgttcacga aatggaggga cagncaggac gaggactaca 60
accngatatg ctgatatcat ttagggaggc cangtcttag agcacttaaa gctg 114
```

```
<210> 503
<211> 114
<212> DNA
<213> Mus musculus
```

```
<400> 503
tctcctctaa gccatgacct catccttaac ctgactcagg acgggatcac actactgttt 60
gatgctttca atcaagtcag aggcatttaa taaaattatc tacacaaaaa aaaa 114
```

```
<210> 504
<211> 249
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 135, 137, 139, 141, 142, 143, 151, 156, 157, 161, 163, 165,
169, 172, 177, 179, 198, 201, 207, 218, 231
<223> n = A,T,C or G
```

- REPLACEMENT COPY -

<400> 504

```
aatgctggca aaggatgaac tggtagcat acttcagcgc tgtattgagg ttttagattc 60
ctctactgaa aagcagcttg gcaacacaac acagaaaata aaggatttcc tgacccagtt 120
tcagaacctc gatgntnana nnnaggaaga ngatgnntcc ngntnatanc cnacggngnt 180
gctgaagaca aaccacntt ntatctnctt aagacttntt actagtgatg naacttctga 240
ggactacta                                     249
```

<210> 505

<211> 122

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 37

<223> n = A,T,C or G

<400> 505

```
gacgtctggg gagctcctgc nttaggtag atctganggt tcccagactg ccttttgaga 60
ataaaatggg aggccagaac caaagtcttt tgaataaagc accacaactc taaaaaaaaa 120
aa                                     122
```

<210> 506

<211> 406

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 82, 97, 116, 124, 126, 129, 134, 143, 159, 203, 204, 237,
238, 255, 257, 265, 277, 282, 285, 290, 295, 296, 299, 311,
315, 327, 345, 353, 359, 362, 380

<223> n = A,T,C or G

<400> 506

```
gaaacggagt gaggatgaatg gtaccacagc acagagggag ccaacagcat cagacttgct 60
cttgacaggc atgcctgggt tnaaatctgc catgaanagc caggaggtgg cagggntcca 120
ggangntcng ggcntaatcc ttngcccaag tttttgacnc ccatggggttt tggacacagg 180
gtttttttcc cgtggcccta aannaatttt ggcacaaacc gtgggtttaca attttcnngg 240
gggcacaatg gaacntngga ccccnaaaaa ccacctnttt cnaanaaggn gcccnngana 300
aggggaatgt ngggnttttt ccccaantcc ttgggtttttg gaaanaaccc ccnaggggnc 360
cnagggggccc ctttttcccn ggggggaacc caaccggccc aacttt 406
```

<210> 507

<211> 809

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 72, 106, 109, 145, 147, 160, 171, 177, 195, 227, 238, 261,
265, 287, 576, 595, 683, 767, 775

<223> n = A,T,C or G

<400> 507

```
caagcccaga tggcctggca tggagagaca tactgactga ttggaggcta ccgtgtctac 60
tggagatgca cngattccca cacctgcaga ggctgatcaa gaggantang ccagtgccca 120
ggcgggcttc caagagacag cgagntnagg aagaatcggn tcaagatcta ngctgtncgg 180
gtgcaaaaagt tcctngcctg aaattgaagc atgggtggcaa agggtanccc cacattanat 240
gctgcctgag catcctggaa nagangaaag gctgctagct gcctcangag gttgagccct 300
cttcagcaat gccctctact gaacaccaat gtaggcagaa ccacagctgt tctgcctgca 360
```

- REPLACEMENT COPY -

```

tgctctgcag tcaagagccc acctgaatgc caactatccg tgagcaagaa gtctcagagt 420
agagttgctc tgacagcacc tgtctcttgg tcctctagag gcgtcttggg aagcagaaaag 480
gggcgggtctg ctctgagttg agctgaattg aggagacaaa gtgcagagag aagatacaga 540
gggaccaaac cggactgctc tctgagtatg ctctgntctt gaatcatgcc acagncacca 600
gcacaagcca ggagtggctg gacttttctaa acctggaaga aatgagcagt agttaataaa 660
ggagattctg gctaagatct tangagacag aataagaccc cgggcgaccg ctactgactg 720
acactgggac aatcagcaac cattcaacct accaggctct gtcttantta gtatntggct 780
gggactgggg agcctttgca caatgattt 809

```

<210> 508
 <211> 295
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 136, 139, 140, 141, 142, 146, 154, 165, 167, 168, 169, 173,
 176, 193, 209, 210, 214, 217, 221, 231, 234, 238, 239, 241,
 247, 253, 257, 270, 277
 <223> n = A,T,C or G

```

<400> 508
ggtgtaacgt ggtcattgct tcccgggaagc tggacagact aactgctgct gtggatgaac 60
tgagagcctc tctgcctccc tccagctccg ctgaagtctc cgccatacag tgcaacatca 120
ggaaagaaga agaggngann nntctnggca aatntacctt agctnannnt ggnaanatca 180
acttcttggt cancaatgga ggaggccann agangntcc ngtggaatac ntcnatgna 240
ngggatnagc atnctgngat acgaaaccan cctgacnggc accttctaca tgtgc 295

```

<210> 509
 <211> 400
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 120, 126, 127, 131, 132, 143, 151, 166, 168, 183, 188, 189,
 192, 197, 209, 214, 215, 218, 221, 233, 236, 237, 239, 242,
 257, 259, 262, 286, 340, 343, 352, 370, 376, 382
 <223> n = A,T,C or G

```

<400> 509
atgaggcacg cagtgaagat gaacggggaa gccactgttc tgacaacgca cttctctaaa 60
cttccatggc catctccaca ggaaacccag aggatctgtg agcaagtccg tattgccatn 120
gagganntaa nnatagtgtg ttnttcactt nctaaggacc agggantnac cctgagaaaag 180
ctngtcenna angctgncct ggacattgng gacnncangg ntcaagctac tgnaannngt 240
tnttactgct ccatctnana gnactgaaga atggagacct gatttntctg aatagtgtct 300
cagtcgcatg ccaacagggt cctgagatcc caaaagatan tanagccgca gnccttttga 360
tgctgaccan tagtgnggat tntgtgaaaa atgcacatta 400

```

<210> 510
 <211> 186
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 60, 70, 87, 97, 107, 118, 123
 <223> n = A,T,C or G

```

<400> 510
ggaacaaatt ctattatctt ccttcctttt aaagntgacg gaaattaataa tgattgtacn 60

```

- REPLACEMENT COPY -

gaagctgcan cataaataga ggcttgntctg agtgganacc gaagtngaa ctaccctnca 120
cantatgatc ctgaaaaaga agtattttaat acattataaa aataaagggt tcaatctatc 180
ccatta 186

<210> 511
<211> 125
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 76
<223> n = A,T,C or G

<400> 511
gctgagaaga aagccaagggt aattgcagta atgaatgctg tggaagagaa ccaagcctcg 60
gtgctgtggg ccttgnggcc atttgtccga gttcaataaa ctactacatt ttttaaaaaa 120
aaaaa 125

<210> 512
<211> 155
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 32, 39, 80, 84, 99, 102, 110, 112
<223> n = A,T,C or G

<400> 512
attccaaaat gttgcggntg ccagcagctc anaacgtgna cggttcgact gataaggcca 60
ctccagctgc aagagaggan ctanacgggg cgaaagaana ancggagccn anacaagttc 120
atcctgttca aagctcaatt ttactagtta caaca 155

<210> 513
<211> 184
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 52
<223> n = A,T,C or G

<400> 513
tggttgctggt gacagagacc ttttctctgg aatcgcggtga agaattggtat angactttga 60
ggacctggat tggcctgcgt gcacaccatc aacactacac ttgctgctgt ggactccact 120
attcctgggt ctttgttctt acttctttgt acagtaaatt tacttcagca gtgaaaaaaa 180
aaaa 184

<210> 514
<211> 295
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 56, 69, 72, 88, 93, 95, 118, 144, 163, 170, 207, 212,
233, 244
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 514
 actcatccct ggaaggcatg tgtggcactg ancatgcccc gctgggggaa gatggncagc 60
 ggccgcccng gngcacttca actacctnat ctnantctga gccttcatag cagcttancg 120
 accaaggcaa gatcctagca tccnaggacc ccaaaaagaa gcnagctcan aagccctctc 180
 acatgagaag aaacatacta catgaanttt anaacagatc aataaactat cancaacaac 240
 aganaactcc ccataaaaact gagtcatcaa agggaaaaat gaaagataat attga 295

<210> 515
 <211> 107
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20
 <223> n = A,T,C or G

<400> 515
 cactaagagc actggatagn taagggtcaag gagactctca caaaggatcc agagaccttg 60
 ggagaaggac aacaagaatg agtgtgtctc tggtaaatac accacag 107

<210> 516
 <211> 474
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 220, 236, 378, 396, 417, 441, 445
 <223> n = A,T,C or G

<400> 516
 gactgagacc ctgtgatgtt tccagtcttt ggctactgta tcctagcaca ggatgctgct 60
 ttgtactacc agtgctcaca agcttgagac tgtttatgac cataagtttc taaagatgtc 120
 tatcaaagaa tcttgtgcaa aggaagaaaa gtctcagaaa aaacagacta tctcttcacc 180
 aacttttaat gaagacaaga aaaaggggaga aatctcagcn gggttctacta gttcanaaca 240
 tgggtgttcag cctgttttcaa ccaagaagag aaaactgaaa gcagatgata cagacaatgt 300
 agactataat gcaaacagaa aaaacagtaa aagattgaat gtagaagttt tcattcctaa 360
 aaagagacta aaattcantt ctctgaccca agcggnatca tatttaaata ataatcnaat 420
 gacttcacac aggtgggtcat naatnggacc taaagatcct aagggttaaag atgg 474

<210> 517
 <211> 376
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 320, 324, 357
 <223> n = A,T,C or G

<400> 517
 ctgaggtgct gatatttcca atgtttgcaa tgaagcagca ctgattgctg cccgccacct 60
 cagcccttct gtccaggagc ggcactttga gcaagccatc gagagggtca ttggaggcct 120
 tgagaagaag acccaggtcc tacaacccag tgaaaagaca actgtagcct accacgaggc 180
 tgggcatgca gtgggtgggct gggttcttga gcatgcagac cctctgctga aggtgtccat 240
 catacctcga ggcaaggggc ttggctacgc ccagtacctt ccccgcgagc agttcctcta 300
 cacacgagag cagctcttcn accngcatgt gtatgatgct ggggggtagg gtaactnaac 360
 aacttgtctt ttttca 376

<210> 518

- REPLACEMENT COPY -

<211> 276
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 19, 38, 50, 51, 54, 61, 75, 86, 99, 109, 118, 136, 140, 146, 147, 148, 163, 178, 180, 185, 212, 224, 242, 248, 252
 <223> n = A,T,C or G

<400> 518
 ttgtgtggcc gaatanagnt tcggagtgcg aatgctgnaa gtaccaggcn ngcnggtctg 60
 nctaactctgc cctgnccata tgcctngaaa actatgcanc aagcatggna tctcgggnat 120
 cagcttgcta taagcngagn tgcgcnnnat ctctgcttgc gantgctaata gcactggncn 180
 tgaantgctg accaggactc caccgcacct gnttgccaag ccantagctg gatcacaatg 240
 angctcangc tnaccccggga acgtaaggat ctacag 276

<210> 519
 <211> 271
 <212> DNA
 <213> Mus musculus

<400> 519
 ggaaaggaaa gtctctccaa caacgtaagg ccaagcctcc gaagaagcag gaggagaagg 60
 agaagaggag ggacttgggg gtgtatctaa ggagcagggt agagtgccag aggggtgggg 120
 gggaccctga cttcactggg atatctcggg gagggggcac ttgtgccctc caggtgtctt 180
 ccaagatggc taagaacaag gacttgccag aaagtctatc tgcacccatc agagtttaat 240
 aaatgtcgtg ttcctcccc aaaaaaaaaa a 271

<210> 520
 <211> 328
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 235, 292, 293, 295
 <223> n = A,T,C or G

<400> 520
 agactgggtg caacaaaacc tgtctcattt gaagggtgctt gaacaaatat tttctaaaca 60
 cttgtcatgg agagtgattg aaacaagctg ccaggactac atttgccaat aacaagcatg 120
 taggtggctg tagtggatgt ccaactttgg gagctgtgat gtctaaaaac cttttattgt 180
 tttgggtgca gcttacatat tggaaggtaa aatgaaggcc atgaacaaag tcaanaagcc 240
 ataaacagaa gcaaatgggg aaaattaata tcttaattta atattaataa gnngnatata 300
 aataaacagt tattcttaaa aaaaaaaaa 328

<210> 521
 <211> 153
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 40, 45, 66, 79, 90, 94, 104, 117, 137
 <223> n = A,T,C or G

<400> 521
 agcaagctgc acatgagctn tactagactc tgggagggan aagtngccaa gtactttctga 60
 accatntttt aatacttgnt ttgtcatggn gaanttatag cagntatccc aaaatgnttt 120
 aattatcaaa atactgnctt ttaaaaaaaaa aaa 153

- REPLACEMENT COPY -

<210> 522
 <211> 283
 <212> DNA
 <213> Mus musculus

<400> 522
 gtctgggagc ctgagtcctgc atctcatctg ctctgctggg ccgcgctgcc cgggtccctc 60
 tggatggagc tggaccagca ggcagagctg cggtcctgtc ctttgctgag agtcagtcgc 120
 tgcggggtct caggtcagct gggcgcttgc agcctgcgtc tccgcagctc gggaggtgta 180
 ggcggagagt cgtggggaac cgtgggtttg ggctcttgta aggggatttg taggaaaacc 240
 gcgaggtgag cccgggttct atgcacgttg tcaaaaaaaaa aaa 283

<210> 523
 <211> 105
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 56, 61, 74, 78
 <223> n = A,T,C or G

<400> 523
 ctgggaaggc catgctttcc ttggctagaa atctatTTTT ggaagtgtga agtggngcca 60
 nagtgtgaaa tggngtanta tcccttgatt ttccataaaa cctgt 105

<210> 524
 <211> 402
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 383, 384
 <223> n = A,T,C or G

<400> 524
 gcacgcatct gttcctgccg tatcggaact cgaagttaga gccgtctcag agcacaagga 60
 tctggatgca acctggtaac tgcgcagcac tctcagccaa attcttatca cctcagagga 120
 ctcaggatct tggccagagt caaggagaag acagaatctc ctagaagcct tccctggaca 180
 tcatctctca ggactcctat cctaagcctc cagtgaggag gacatgctgt tccaatctcc 240
 ctgaactctc agtctttcta cctaagaaga cagttcctct gtggaggctt ctgagtagcc 300
 caagcatcca tcgttgatcc ttcacatccc acagggtctt gggttccttg aggacaaggg 360
 ctgcattgaa ctcttttcat ggnnccctta accttaaggg gg 402

<210> 525
 <211> 365
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22
 <223> n = A,T,C or G

<400> 525
 catctgcaga ggcagagctt anagtgcagg attctggata aagaatactg agacaaggaa 60
 ggcttttatct gctccttagt cgtcctctgc acagcacacg tcatcccacg tgaccttacg 120
 ccactcttct tcctggcggt ggcgtccac tccactgcgc agacgcggaa gcttcgctaa 180
 ccggcgcccc aagttgatta aggacttctc cgccggtggc accccttccc aggtctgggc 240
 tcggcatggc cgcactgctt gtacggagcg tgggtggcttc ggtgggtggac ccgttcctgc 300

- REPLACEMENT COPY -

acctgagtcg cctcgcggtg aagccccgag tcttctctc gttcctgctg gggacattgc 360
cacgc 365

<210> 526
<211> 108
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 27, 33, 46, 49, 52, 70, 92
<223> n = A,T,C or G

<400> 526
tgcctacttg aagaatcngg aagaggngat ganggacact attganttn c tnaacacccgg 60
gtcctgactn tagcatcttt tccatgttct gnetgattgg actagctc 108

<210> 527
<211> 281
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 49, 50, 52, 57, 63, 67, 72, 86, 97, 100, 115, 130, 151,
154, 181, 201, 202, 204, 215, 223, 241, 256
<223> n = A,T,C or G

<400> 527
cagcttaact ctgaagaaac ttggtatgct taaagaaatg gacanagann tnaactnagt 60
agncatngct gngaagctgc agggtncaaa aaggatnctn cgggtccaatg agatnatcct 120
tgcagccagn ggcttggtgg agacagagct ncanataacc ttctccctcc agtaccctca 180
nttccttaag ccgagatgcc nncngactgc agatnatgtt gcncaggagg aagcgggtcaa 240
naacctgaac tatctngggc tataaaacct tagctgtgcg a 281

<210> 528
<211> 112
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 40, 42, 69, 93, 94, 96
<223> n = A,T,C or G

<400> 528
ggagtaaggc atgccgaggc ttnaggctac gtgactttcn cnatgctgga agatgcacag 60
agggccctna aggagatcac tacctttgaa ggnngnacga tcgaagcgac tg 112

<210> 529
<211> 368
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 263, 285, 326, 340
<223> n = A,T,C or G

<400> 529
aggatctatg actaagcttg cctagcgatc cctgacctag tctagtcagt gtgactacca 60

- REPLACEMENT COPY -

```
acaacagcca tgaagaccaa gaaggcacia gaatctaacc atgacctgaa gttcaagctc 120
ataattttctc ttcttgagta agaaattaag atgttccagg aagatgagaa acttttataaa 180
actgctgcca agctctgggt tgcagaagac ttcacagaat ggaaggaata aaaaaactcc 240
agcagaggct ggtgagggtg ctnagtgggt aagagtgccg actgntcttc caaagggtccc 300
cagttcaaatt cccagcacca catggngggt taccaccatn tgtaacgaaa atctgattcc 360
tctttttgg                                     368
```

<210> 530
 <211> 428
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 37, 38, 39, 40, 43, 48, 49, 55, 58, 59, 65, 83, 92, 117,
 119, 122, 131, 139, 147, 159, 164, 176, 177, 180, 205, 218,
 387
 <223> n = A,T,C or G

```
<400> 530
ggaacaaccc agactggatg tctcccttgg caaanccnnnn tgnacacnna ctgtncennng 60
aagtncccta ctgatggctg gantgatccc anatgcctgt agaaagccta cccagntng 120
antgatgact nacaaaagng gccccngag ggtggccana cagnctgcgg ccaggnnccn 180
cgtgaggctc gatcatcccc aacantctgt tcttgcctac caaccctttc cactggcctt 240
gtgagttctg taaattttctg gacttccaga gctgacaggt ttgttagggg tttgagtctg 300
tgaacctccc ttcagcccaa gaaagaaatc ttctcatcta gaggaagct atatgacacg 360
tctttacgtt tcttcttcat caactgnata gaaaaatttt gaagtcaaaa tggcttccaa 420
cttatggg                                     428
```

<210> 531
 <211> 152
 <212> DNA
 <213> Mus musculus

```
<400> 531
gctgctgaga accagctcta gatctctgct agagagtcct ccttctgcac aagttcccgg 60
tgggataacc tgccatgttt ctctgaaact gtgtgtacct gttgtgaagt ttttcaaata 120
tatcatagga ttgttactgg taaaaaaaaa aa                                     152
```

<210> 532
 <211> 189
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 33, 45, 48
 <223> n = A,T,C or G

```
<400> 532
accgtggctt ttgataccta tttatttata canttggggg gtggntgngt gcatctgaga 60
ccctgaagag cagggaactg agatcctggg ttctgggggtc tctatgaaat ctgttcacag 120
tgtcttcctc acttcctaca ttatttatta aacgattact ttttatatta agaggaggaa 180
ggagggaag                                     189
```

<210> 533
 <211> 140
 <212> DNA
 <213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 25, 37, 45, 53, 66, 73
 <223> n = A,T,C or G

<400> 533
 aaaacaaccg aggggatcaa actgngctca ttcttctgtc aaaanctgca canaagtctt 60
 acgganatga aanacgattt ttttgccctc ctccttgtgc gtatcttatg ggcagtaggt 120
 tggaatgaaa agcaaaaaaa 140

<210> 534
 <211> 185
 <212> DNA
 <213> Mus musculus

<400> 534
 tgaagacaac aaacatcatg gcatacttca gtattacatt tatttcattg gaggtgactc 60
 ttgggcctgt gcatggacac ccctttaaga caaattcagg gagatgaatt tgacagttct 120
 accgtagtgg taagctgggtg gaaggtggca cccgaacaaa tataatttgg cacatatttt 180
 taaaa 185

<210> 535
 <211> 320
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 25, 37, 45, 55, 59, 70, 81, 83, 97, 112, 115, 121, 132,
 137, 138, 173, 181, 197, 199, 248, 269, 274, 279, 289, 291,
 298
 <223> n = A,T,C or G

<400> 535
 tctatgctac agcttaacca gatnncggaa tggacancaa ctgcntctgc tacancgtnt 60
 ggctcctgcn cttgcaccat ntntctgcgc tgcacanaac atgcagatgc angtnctgca 120
 ngaataagct gntgctnntg ctgtcaccgt gggcatgctc caaatgtgcc canggctgag 180
 ntatgcaaag gcgccgngna caagaagcac gtgctgggcc tgatgtgacg aacagcgctg 240
 gcaccacntg gaaataggat cgggacaanc ccanggggtnt tcctatgcng ntccaccnct 300
 gtttactaaa cccccgtttt 320

<210> 536
 <211> 261
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 50, 69, 110, 138, 153, 186, 198, 211, 229, 234, 244
 <223> n = A,T,C or G

<400> 536
 ctgctcactt ccttccctgc cagggacgag caggggtcga gaggggctgn tcttctagct 60
 gacttctgnt ttcctctgga ctgtgcttcg ccagctgtc caggagccan cgatggcctg 120
 cgggtggact tggaattnag ggtcagaatg gcnagggtc aaatggcctc tgactgacag 180
 cttecnactg atgcccgnnt acttccaagc ncaaagaaaa atccagggnc caanagagga 240
 tctngtccgc cctggcctat t 261

<210> 537
 <211> 248
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 131, 135, 144, 154, 183, 192, 205, 226
 <223> n = A,T,C or G

<400> 537
 atgcagcatg gctacccagg gccaaagggtg aaacaggcta cagaatggag aacgagaatc 60
 tggggacagc cctgaagatg ccactagact gcctttccac ctgagggtat gtgggaagga 120
 caaatgggtgg naccngtggg cacncacacc tgangcacat gtgccgtaga cccccaccct 180
 canccccacc cngtatgatt tcttnattgc tgcttgact tacctntccc atcgtcttgg 240
 agaataaa 248

<210> 538
 <211> 212
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 38, 44, 46, 48, 55, 97, 127, 160, 168, 184, 191, 192
 <223> n = A,T,C or G

<400> 538
 ccccgaaagt cggtggatag agcgggntga gacctggnga ctcnngngnc acacngcctg 60
 agacttgggc agctctctgc tccctgccag actcctnggc ctggaacagg tgccacactc 120
 cccacanaag gaaacctgac ctctgggtcat gtaagccan aacagagntc tctatgctaa 180
 tganggacct nnaggccctt gagggctcac ca 212

<210> 539
 <211> 118
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16
 <223> n = A,T,C or G

<400> 539
 accaacatac tggaanaaaa gaaccaagat ccgcaagtca tgctttgatt tccacgagca 60
 tgcccacata tataactccc acacaataaa taagcatatg tgtgtgtaaa aaaaaaaaa 118

<210> 540
 <211> 381
 <212> DNA
 <213> Mus musculus

<400> 540
 gccaatctgg aaaagaaaca ctctacatga tgaccatagg gacaactcca ttttgggggt 60
 ataacgaagc agaggagatc aacggatgca tttacacagc ctggggatga acagagggag 120
 gaagccctca caggcatcaa agctacctct ggatcccaga gggtgatgga gacgtgggag 180
 gagggttgca gacacagcac tgtgggcat taccacacag gaagaagcaa gtagcaacag 240
 aacacgccct ggtgcaggcc cgcacagagg gaaggatgag ggccactccc ggaaaggaac 300
 aaaaataata aagaggaagg ctcgatcgct atggtgaact ggaccacaca cagcgggggc 360
 cgggccagga catggcctgc c 381

<210> 541
 <211> 328
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 44, 45, 52, 61, 214, 217, 219, 220, 224, 229, 230, 235, 237,
 239, 241
 <223> n = A,T,C or G

<400> 541
 gcctttgaga aagtgggtcaa ggaatgtgat caaggaggta agcnnacagca gnggcgatct 60
 nattccggtg gacagcctgc ggaactccac cagcttcagg ccctactgcc ttctgaacag 120
 gaaattttca agctcaaggt tctggaaacc ccgttattca tgtgtcaacc tgtcaatcaa 180
 ggacatcctg gagcccagtg ctccagaacc aganatntnn tttnacatnn tgatncncna 240
 ngattgaaca gaaggggaatg ggcaaagccc agcctgccat ctaactgggc atgttcaact 300
 ctactcctct ggtcctatatt ccagagta 328

<210> 542
 <211> 309
 <212> DNA
 <213> Mus musculus

<400> 542
 ctccagagtc gatggagaag ctccaggccc agtactgtta cttatgttca gaaaacatac 60
 ggaaaactaa tcctttcata ctgaatatata tccaaaaact ggatgaagaa attgaaaagc 120
 gacccaaaga aaaattttacc gtaaataattg ctggtaacaa tcgcttagac tccggacaaa 180
 gaataacagg ggaagacttt tggcttcttt ccaaaacttt aaggaaccag ccatgtatca 240
 gtggtgtgga tgtgaggtat aacctcatcg gcgatgtcgg tgccttctat gctgcgaaac 300
 tacttcagg 309

<210> 543
 <211> 166
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 90, 106, 119, 121, 147
 <223> n = A,T,C or G

<400> 543
 tactaaaatg gccctctaaa tagcccaaca attattatatt tctttgtcct atggatttgg 60
 ctttgaaaga tgtgctgctc ttaataaggn aaaaaccaac ttttgnagct atttcatgng 120
 ntaagcacat tcaaaagttg ctagttnaat aaatgaggtt ctttaag 166

<210> 544
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 544
 ccaaaggact tcatggcaac ccgattttcta gtttcctgac atgtttctgt acatttgctg 60
 tgccagggga tcaagcctga ataaatatcc tttgtcatca aaaaaaaaaa 109

<210> 545
 <211> 448
 <212> DNA
 <213> Mus musculus

<400> 545
 gactgagctc ctatatctta aagaagctgg atagcatctg aggacgggca gtcagggtgga 60
 tgcattggcat gaagacctgg tgacggcttc tcctcctgctc tgcagctgaa ttggcccaga 120
 aagggtgtaag gctgattaaa cggacatata aactacttgt tgagaacaag taggactttg 180
 agaactgacc tccatagctg aaatataaag ccacttggga agtgcaaaaa gatgtcctgt 240

- REPLACEMENT COPY -

```
gttcatggtg cccttaggcc catgaactcc acccctgtga gtgttgatgg agtgggttaat 300
aatgtcaggc tctaagggga gtcatttctg ttaccactt ctgttcaaag tggtatttgt 360
gaagtctgtt tggaagtcag catacaccca caatgacatt taagcacagt ctatatTTTT 420
aataaacatt ctgatgaaga aaaaaaaaaa 448
```

<210> 546
 <211> 110
 <212> DNA
 <213> Mus musculus

```
<400> 546
gtacacgggc aacgttcttg gggcccactt ctgagtttag aagacctatt acaaaaagtg 60
aagaactaga ctgtgggaaa ataaatggct ttgactact aaaaaaaaaa 110
```

<210> 547
 <211> 390
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 45, 60, 118, 205, 219, 249, 269, 296, 305, 307, 309, 341, 354
 <223> n = A,T,C or G

```
<400> 547
atggcatcga agattccctt tgccacagat ctgacagact atganaaaat gccagtgagn 60
ccatttgagg aagtgaagcc cagcggagag gggacagcac aaaggcctat agaaatangt 120
gcctcaccat tagcagagct ggaggacaag ataaagcggc acacacagca gatccgcact 180
cgaagtttcc tgggtacaaa ccantgcaa gacattaana cagccaacca ggacctggaa 240
accactaana aacttcagga ggagttaang aaactgaaag tggagatgac cttgancaaa 300
gacntnctnt ttccattctt tacttggaag cttttcactt naccaccag catnacagcc 360
tcaaaatata ttttttaaca cgaaatccta 390
```

<210> 548
 <211> 393
 <212> DNA
 <213> Mus musculus

```
<400> 548
gcacgcccc aaggtgaggg tctgacgccg taccaaggca agaagcgctg ctttggcgag 60
tacaagtgcc ccaaatgcaa gagaaaatgg atgagtggga actcttgggc caacatgggg 120
caggagtgca tcaagtgcc catcaacgtg taccgcaca agcagagacc cctggagaag 180
cctgacggcc tggatgtgtc tgaccagagc aaggagcacc ctcagcacct ctgcgaaaag 240
tgcaagggtc tgggctacta ctgtcgccgt gtgcagtgat cttggccacc actgtagcac 300
ccctcagctg ccacctccct gtgttgccca aagggtgaa tgtccgcatg cttgaggaga 360
tgtcacgggc ctgtgggttt aagcaaaaaa aaa 393
```

<210> 549
 <211> 505
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 36, 38, 57, 58, 67, 69, 70, 76, 77, 81, 102, 112, 115, 116
 <223> n = A,T,C or G

```
<400> 549
tggaatccaa tccacagctn tccttgctg accagntnct tgaactgacc acagtanta 60
```

- REPLACEMENT COPY -

```

aaggccngnn tgagcnnctt naagatctta catgtgaccc anctgctgct gntgnnccca 120
gtaagtgaca gacagcacca tggagcacta gctccaacta ctactcacc tccaagtgag 180
gcggctgcca gtgtgagcaa tgagggggcag tgaggctggg ctgggaagtg ggggtcagca 240
gtgttaaggc tgtaggctat cataatgggg gttagacagc aaagtaattc ggtcagatga 300
gcagggtaga taagtggctg cgcagcaatg aggggtggaca gaaagggtgac agctggggta 360
agtctggaga agtgaaggag aactatacag tggaagcaga gacacaaacc catccagggg 420
tgacttcctt ttgggtgcct cagagacggc ttaacttcac tcaatgtgta gaaagaaaaa 480
cgaatttttc tcctaaaaaa aaaaa

```

505

<210> 550
 <211> 154
 <212> DNA
 <213> Mus musculus

```

<400> 550
gtaccccaga ggttccacac aagtaccaag ttggagaatg ggtatatgtt aatagacatt 60
gtgctgaaca cttggaagca aagtggagag ggccgttcct ggtgttggtg accaccccaa 120
cctccattaa agtggatgaa gtaacaaaaa aaaa

```

154

<210> 551
 <211> 138
 <212> DNA
 <213> Mus musculus

```

<400> 551
atgccacagg acagccaggg ctaacacaga gaaaccctat cttgaaaaac aacccaaaagg 60
ggaaaaaaat caatctggaa gaaaagctgg cttattaggg ctaatagtgt gggatttaaa 120
tatatacaac catggctt

```

138

<210> 552
 <211> 153
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21
 <223> n = A,T,C or G

```

<400> 552
cagacctttg ggggagcaca naaaatcatg tgtggatcct agacactgga acaagaacct 60
gtgaagttaa gttgccttgg agaccctgag atattagaga tgccagcgtc gtaggatacc 120
tgtgaggaaa gctactaaca cggagtagaa agt

```

153

<210> 553
 <211> 380
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 94, 95, 105, 116, 119, 123, 133, 139, 170, 171, 176, 350
 <223> n = A,T,C or G

```

<400> 553
ctctgatccc gcttgctggt cctactgaca cctgagccgc ggtggccgat gctgctgagg 60
cccttccagc ccacgagtca acctacttga ttggnagcca tgccnttagt gaaganaanc 120
atngaacccc ggnacctgng ccggagcgcc ctgccggaag gagtcaccan ngagcnggaa 180
tgcgtgacca acagcacgct cgctgcaatc atccgccagc tgagcagtct gagtaagtcc 240
cctcggcatc cctggctacc gctggtatct tacagacttt acggtaacca gtggatttga 300
cttgtgagtg gcaactgtga ggaaaagcgt cttcctccat acgccacggn caatgactgt 360

```

- REPLACEMENT COPY -

gtcaagccct gggctgctgg

380

<210> 554

<211> 259

<212> DNA

<213> Mus musculus

<400> 554

ggtggtgtgt gaaggtgcct gaggccagaa gaggctgtca gatctggagc tgtagttgca 60
gatggttgta agccaccgaa cacaggtctt tctgtaactc ttccaaagga agcaatgatg 120
tggctcgtta gacccgaggc cgaagctgca gccgtgcact gaagcagatg ggaaaagctg 180
aactcgccac ccacgagcag cgccggcagt gagctccacc cagcatgaca cggcggccca 240
ccctccacac aaaaaaaaaa 259

<210> 555

<211> 394

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 42, 51, 52, 83, 93, 97, 102, 106, 115, 117, 118, 123, 127

<223> n = A,T,C or G

<400> 555

caaaactgta caatctaaag tggactgcat tttgcaagaa gntgagaagt nnacagacct 60
atagaaactc tacctctacc ttnaactgcc ttntggncct ancagngcag agaanannga 120
tcngaangcc atgtcatcta gtcgggcaca gcaaatgcat gccttttctt ggattcgaaa 180
taccttagag gagcatcctg agacgtcact ccccaaacag gaagtctatg atgaatacaa 240
gagctactgc gacaatcttg gctaccatcc attaagtgtc gctgactttg gaaaaatcat 300
gaaaaacgtc tttccaaaca tgaaggcacg ccgttttaggc actagaggca aatctaaata 360
ttgctacagt ggactaagga aaaaagcttt tgct 394

<210> 556

<211> 297

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 41, 43, 48, 51, 53, 59, 60, 63, 66, 70, 80, 82, 88, 91, 106, 113, 126, 136, 142, 145, 146, 177, 199, 271

<223> n = A,T,C or G

<400> 556

gtgggttttg gctgagctcg agtcctcacc agagtcttca nanataangt ncngaggann 60
tanatntgan gccagcctn gngggctnaa nggaaaccta ctatgnacaa aanaaaggcc 120
tacggnggaa tgcaanacct gncanncagg caccatgggt ggcagccatc atgcttncat 180
gaccattggg cctgctggnc tacctgggtc tagcccagga agccaccagg taggttaggg 240
tggtcagtgc cgagtctcct gcagacacag ntatacctgt ctttctgcac tgggtcca 297

<210> 557

<211> 208

<212> DNA

<213> Mus musculus

<400> 557

tgagttccct ctgagggact cggcagctcc gaaccaagct gtggatctgg ctctctaagg 60
gaacctccag aaactcagct tgtgggctga gccagggttct gtcacgaat cagggaactc 120
tgtgaccatt tgggtgtgagg ggaccatgag aacccaaaac aagtaacatg gaataataaa 180
actattttaa ttggcaccaa aaaaaaaaaa 208

- REPLACEMENT COPY -

<210> 558
 <211> 389
 <212> DNA
 <213> Mus musculus

<400> 558
 tgtccggaag gcagaggcaa actcatctcg gagagtttct gaacttgtgt ggaaatcagg 60
 atgtgtggga attgaattta ctcaagtgcc aacttacctt aaactcctaa tcctccagca 120
 ccccccgca actgctgcga ttataggtct gcaccattat acccggtctt ttagggcctc 180
 ttaaaaagag ggagcaaatg agagcgatgg ccccggtggg gaagttgttt gccactgtat 240
 caacaatgct agcctgacaa cctgagttgt ggaaagacaa aatgaaggcc acagagatgt 300
 cctctgactt ccacactggt gcagatggca aatccacca cctacgtgtc acacacacat 360
 aacaacaaca ataataataa taggcataat 389

<210> 559
 <211> 222
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 43, 55, 61, 62, 68, 75, 91, 99, 106, 113, 135, 144, 150,
 158, 159, 160, 171, 173, 189, 195, 199, 201
 <223> n = A,T,C or G

<400> 559
 gtctgcaaac atgcatgtac acaccatac ctcagagagg ctntgcattc ccggnctaag 60
 nncaagancc atgcntacac atatggcgtg nggagaagnt gaagcnggtg ccnatagcac 120
 ggagagagcc atggnatctt tttntctggn gactactnnn tagtgcttca nantggccga 180
 taggatgant gccgntcang ntactgtgct gcttctactc ag 222

<210> 560
 <211> 250
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 139, 141, 144, 147, 151, 154, 158, 165, 168, 174, 176, 197,
 201, 205, 210, 211, 213, 219, 223, 227, 231
 <223> n = A,T,C or G

<400> 560
 gtcaatagaa tcttcgtccc ctgcgcttga gcttcaagtg cacctcctct tatcatgcc 60
 tccctctaca ggctgggaaa tctgccaaaca gacgatgacc tgccttgact ctgcctgaca 120
 ggcagacttt ctttttttnt ntgnttnaaa naancggnaa acagntgntg acanangtgt 180
 gtgcccgtgc gtgcgtncgt ncgtncgtgn ncnggggtng aangggngcc ntttgaggcc 240
 aaaatagggc 250

<210> 561
 <211> 262
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 28, 36, 70, 74, 78, 90, 91, 106, 115, 117, 128, 149,
 160, 168, 180, 187, 189, 197, 199, 216, 222
 <223> n = A,T,C or G

<400> 561

- REPLACEMENT COPY -

```

gagtggagcg agttgcaggt anctgaangg cacttncagg cctagaggga ttgttctgct 60
gccaaggaan attntgcnat ggcttgtacn nacatatgaa cggtgnttgg atatnancga 120
tttttagngc cctgaagatt ttgataccna ccagagtctn ctggaaanag cttgtcctgn 180
ataccangng gatgctnanc tcatagttga atcatncccc ancttcactg agcagacctg 240
atctcagaag taacactgac tc                                     262

```

<210> 562
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16
 <223> n = A,T,C or G

```

<400> 562
ggacggagcg attctnacgg aggaaggagc acgccaacag ggcttgactg cgtacagaca 60
tgtccccctc aataaaattg cagttgaaat ggaaaaaaaaaaa aaa                103

```

<210> 563
 <211> 242
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 68, 83, 101, 104, 113, 123, 124, 133, 136, 145, 154,
 158, 161, 171, 190
 <223> n = A,T,C or G

```

<400> 563
ctttcctcac tgaagttgct gctctgnagt ggaatctcac actcagctta agaaagtcaa 60
gtgatacnga ttggagccat cantcatact ggggaagcta nctnaactac ccngaacttg 120
atnnatggga aanaangggg ttcnagaca actngaance ntggatgatg naatgggtat 180
tatgccctn aaataccaat atagcctttc atcttttttct gaaagtatta ttctcataag 240
ga                                     242

```

<210> 564
 <211> 423
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 43, 46, 60, 63, 94, 171, 178, 181, 184, 191, 193, 195,
 207, 211, 214, 215, 218, 220, 222, 224, 226, 229, 234, 238,
 250, 254, 269, 271, 290, 292, 300, 309, 312, 315, 323, 332,
 350, 351, 355, 370, 396
 <223> n = A,T,C or G

```

<400> 564
gcatggcgcg ccggatgcct tcagggcgnc aagcacctca tgntcncctt caacctgctn 60
ttntgggaca ttgccagagc caccaacatc ccanagaaca aacaagacca tggcttcttg 120
cattggggcag ctccctgcta cccatatcac aaatataagc tgttacagga naaatganca 180
naancaagaa ncntnggaag tgcgagnaga ntnnaangn gnantntgna gaanactnga 240
aactgaagcn aatnacagat ttcaagggna ntcttgtgct tggaccctgn tnacctgaan 300
atgaatcctn gntanagtgg ctntagatgcc angttctgcc tagctaggcn nactnacaac 360
ctctgcaggn agagccttgt gtcttttagct atgganctgt accatagagt gtgcattcct 420
ttg                                     423

```

- REPLACEMENT COPY -

<210> 565
 <211> 197
 <212> DNA
 <213> Mus musculus

<400> 565
 ggctttgccc tctcagaggc catgggggctc ttcgccatgt gacgcagccg tctctacttc 60
 cagctctcaa ggatgggttct ttcgtgtctc gtctgccctg tacggtcctt ttcctgtacc 120
 tccccaagaa ggctggggaa aacgcttggc tcaggtttga cagaaaacaa ataaatactg 180
 tagtaataag aaaaaaa 197

<210> 566
 <211> 353
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 52, 61
 <223> n = A,T,C or G

<400> 566
 gcactgctat gtcggggggag atggacaaag ccgctgatca gccgcgcct antggacacg 60
 ngatggcagt ctggctgagg tccccaagga ggcccccaaa gtgggcatcc tgggcagtgg 120
 ggattttgcc cgttccttg ccacacgcct ggtgggctct ggcttcagtg tgggtgggtgg 180
 gagccgtaac cccaaacgca cggctggcct ctccccctcc ttagctcaag tgactttcca 240
 ggaggaagcc gtgagctctc cagaggtcat ctttgtggcc gtgttccggg agcactactc 300
 ctactgtgc agtcttgctg accagttggc tggcaagatc ctctgggatg taa 353

<210> 567
 <211> 160
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34, 35, 37, 40, 52, 75, 84, 92, 97, 102, 109, 113, 119, 127,
 135
 <223> n = A,T,C or G

<400> 567
 tgacagatgc tgctggggaa gctgggtgtg actnnangcn gttaccacct angagttata 60
 tacagatttt gatcntaacc tggnatgact gngcagnttg tntggagant ttnatctgna 120
 ggcccgnaag ggccnggaag gatggggggc ataaaaggca 160

<210> 568
 <211> 137
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 38, 42, 44, 49, 96, 100, 110
 <223> n = A,T,C or G

<400> 568
 ccatgacaac cagtcatac cctcangaca ggtataange ancnggtgnt atcttctttg 60
 tgctgggcct ggggacactg ggtaccctgg aataantctn atgaccgtn catgacattt 120
 cacaagccgc ctggacc 137

<210> 569

- REPLACEMENT COPY -

<211> 263
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 37, 55, 97, 111, 118, 126, 127, 130, 146, 147, 156, 171, 175, 186, 190, 228, 229, 239
<223> n = A,T,C or G

<400> 569
ggagaacgga ctattacatg cgctcatctt caggncnccc tccctccaga gaacnagctg 60
ttgcagaacc aggacacgga tgcctgagcg aatcgancca agggatcgcc ngacatgnat 120
tcctcnntcn ttatacacca caacggnnaga gcatgncacc cagcagcttt ntgancacac 180
acgtanccgn gaggatagaa tatcgagaaa aagggaaga gaaggacnng gatgccaana 240
aacacaacct tggaataaat aac 263

<210> 570
<211> 235
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 23, 25, 49, 52, 54, 55, 56, 57, 61, 67, 70, 71, 72, 76, 79, 85, 86, 88, 97, 155, 177.
<223> n = A,T,C or G

<400> 570
aggagtttac actgaganct ctncngtgta ctgactatgg aactgaatnt cnannnnctg 60
ntgtcanacn nnaatnctna agacnngnga agtaaanact gtatggatga ccctctaagg 120
ctcaacctct ctatctaatt gtatatggcc ttaanagaga taattgagtt ggggtggngat 180
aactgggtcac ttgagttcaa ggccacctgg tctacaaagc aagttccagg acagg 235

<210> 571
<211> 356
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 25, 37, 74, 106, 148, 195, 248, 291
<223> n = A,T,C or G

<400> 571
atgcaattat aaatccaana ccatngagcc cttttgngat ctgtccctgg aattccctga 60
acgataccac tgcntataaa aggggtttga ccctttgaat cagacngagt gcctgctcac 120
tgaaatgcta gccaagttca ccgagacnga ggccctggag gggagaatct acgcttgtga 180
ccagtgtaac agcanacgac gaaagtccaa ccccaaacc cttgttctga gtgaagctag 240
gaagcagnta atgatctaca gactacctca ggtcctccgg ctacacctta naagattcag 300
gtggtctggc cgtaaccatc gtgagaagat tgggggtcatg tatcttttga ccaggg 356

<210> 572
<211> 134
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 18, 77, 91, 107
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 572
cactaacagt catgacnnat ctggtgatca tttggtctga catgtgcaca tatttcaaca 60
agactaggac tgtaganaga tcaggactat nccgattatc atagcancca gaactggcca 120
gaagatgcaa gctt 134

<210> 573
<211> 188
<212> DNA
<213> Mus musculus

<400> 573
gatgagcctg cccgcaaacc agatcaagga gcccggcaag cagtctcagc ccgcaaaatc 60
gctcaaggaa cccagtcagg aggctctgcc tgtaaacctt ctcaaggagc ccagccagga 120
gtcccggatc ctgtgccctg acccggccat cgtaagtgcg cccctgcgtg gccgctgaaa 180
aaaaaaaa 188

<210> 574
<211> 188
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 25, 26, 35, 49, 54, 79, 85, 121, 135, 161
<223> n = A,T,C or G

<400> 574
tacactgatt aaacactttg agnannctgg tagcntataa ttaggatgnc tgtncccaca 60
cactccacac tgcaggggna ctgcntactg aatataaagc tgtggaaggg acatctctgt 120
nccgacctcg agaangtcta cagctctgat cgagaatgga nttggaagcc atggctaaat 180
tacatatt 188

<210> 575
<211> 231
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 48
<223> n = A,T,C or G

<400> 575
ttccaagagg accttanaaa gggcttgggc tgtatctgct ttgtgttngt ccctgcctgg 60
atgtgaacat ttgaactgac ccttcgaatc aatgctcatg cctgaagcac gtctatgata 120
ctcatctgcc gtaggctgga aagtgaggaa caagtggggt gtttggggcac cccacatcct 180
ctactatgga aatgtctaca agattcgtgt tggatgggtt aaaaaaaaaa a 231

<210> 576
<211> 558
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 195, 206, 210, 213, 233, 255, 267, 287, 291, 307, 309, 340,
348, 358, 366, 367, 378, 403, 442, 455, 492, 496, 509, 538,
541
<223> n = A,T,C or G

<400> 576

- REPLACEMENT COPY -

```

gtgacacgat gatggtcgct ttcactctcc ttccaggagg acgctccgga gttcgattcc 60
tcgctgtcac attcagtggg gtcactatct tgctggatct gattcacccg gaggaactgg 120
gaatggcgcc tgactcgtct ttgttcaagg taggcgctga ccaaagccac ctcggaatcg 180
gttactgtgg aaacntgggt ctgctntggn ttnttcatca ccagtgaaga gtnccaggac 240
ccttctctat tttgncgctt acaggangtt tctttgcttg ctaatcnaca naacagacaa 300
acaggtnang caataatagt actaacagtc atgaataggn tgctatanaa aggtcagnga 360
agcctnnagg tgggtggtnc tgcctttaat cccagcactc tangacaaag aggcctagac 420
aaatagatct ctatgagttc anggctagcc taagnctaaa agttgagttc taggccagat 480
agggttaciaa cnggangatc ctatcttana taaatgaaca aataaaccaa gttacctnga 540
ncacccaaaa aaaaaagg
558

```

<210> 577
 <211> 107
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 52
 <223> n = A,T,C or G

```

<400> 577
gatgaaggct tctctgctct aggcctttccc tcagaccctg aagacatctg tntctcattt 60
cccctctgcc ccaataaaga agtttctatg tcaggcaaaa aaaaaaa
107

```

<210> 578
 <211> 232
 <212> DNA
 <213> Mus musculus

```

<400> 578
agggcgccaa aggcgacgcg ctggcggcca gctccaagcc aaccaggccc attgcgtccg 60
tctgcaggaa cctgtccctt caccctgctt tggacactga gcttcggagg atctggctgc 120
gagctgattc aacgccaggg cgccgcctag aggtcggctg cgtcctcggt ctcgctcacc 180
gaccacagag ctgcttgtcc aagccacagt gtcagactta aacaaaacaa aa
232

```

<210> 579
 <211> 136
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 75, 89, 110
 <223> n = A,T,C or G

```

<400> 579
caatacctgc ttggaaagcc atactgtaga cacttaacca gatatggcct gggggaagtt 60
ttggaaccag attgnttcct gcaaagctnc tttttactgg tttggcttgn atctaattggg 120
ccttttaagc taaaac
136

```

<210> 580
 <211> 397
 <212> DNA
 <213> Mus musculus

```

<400> 580
aagactgagt gcacttcaca gcaaaaatga aaacggaatc attaaaatgg ttgaacacag 60
accaattcct ttaatttaca atttgctgaa aaatcattgt cgctgttttc accctatgaa 120
ccctactaag agaacggttt ctgagagcgc agccgcagcc gcctggcacg gcctacgagc 180
gagcgccagg tgcatttgca cactgactgg aagaccacgt gggcaggagc agggtaaggc 240

```

- REPLACEMENT COPY -

accactctgg acagtaaggt agcttgcagt aacaagagtc agcaccacga gtgggtgctc 300
agcaaatact tgaataaatg aaaaccataa ttagcacgat tctgttcac gccagcaatt 360
cttcaacccc aataaaatac ctataaaaaa ccaaaaa 397

<210> 581
<211> 261
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 73, 92, 101
<223> n = A,T,C or G

<400> 581
gtctcgctga aagagtcggc tgtgatctac agcctgngga cccacaaggt ggtgaggtga 60
cgtttaccac canccaggct tccgagggct gngtagctca ngctgccaat gctgtgcgtg 120
aagtccacgt tctcttcctg gattttcccg gagttactgt gagactccag gataaagaaa 180
gcagaacaca gaacacagaa cctgcccaca gtgaaagctc tagtttggct gttataaatt 240
ttgtcattat taaaaaaaaa a 261

<210> 582
<211> 232
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 32, 35, 40, 45, 54, 55, 57, 74, 76, 86, 107, 120, 129,
178, 179, 181, 183, 187, 188, 191, 212
<223> n = A,T,C or G

<400> 582
cacagggtca gaatccatga ccatcatgnc angangtatn gcagngtgca gatnngngaa 60
taaacaattc cagntntctg ctgcancatg ctgttaactg tggattnact gtgtgcaagn 120
ctgttttana ttttttaatc taagcaccac tgaatcttat taaacgtggt ttttgggnng 180
ntnggttnngc ngggatctgt gagagctcat gnggggttttg gcctcagttt ga 232

<210> 583
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 77, 78, 286, 289, 325, 371, 373, 397, 410, 427
<223> n = A,T,C or G

<400> 583
gaaggacagg agaccagcag gagctgggat gaagcangat acatccaaaa gacaaaaaga 60
attggcccca gccccnngc caccctgcaa actaaggcat ctcatctctg tggccaaaga 120
gaaggggcaa atggaagtac ccaggagagg agctggccca gggccctcag cccagctcca 180
gaaggggtgac cttcctcatg taggctcagg taaaggtagc attacccaaa gcctccctca 240
tttcatgatg gaagattctg gaacaaatgg gaatgccagt aaaccncna cagccaacac 300
agggcagctc aactttctct gtgtncccaa tttcttggtg tgtgagtggc aatccctaatt 360
tgcctttcta nanaagaaat tcaactctgca ctagtanagg attctactgn agacctctcc 420
ttgaganctt tcccactcac ccctgatgat 450

<210> 584
<211> 367
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 33, 35, 38, 41, 230, 245, 267, 287, 303, 307, 308, 317

<223> n = A,T,C or G

<400> 584

```
ccaaagggaa atcatcacgg gnccagccag aanancanct ncacttcaat tgggtctcca 60
tggggagaag tgcttggtaa aagggtctgc acatcaatgg ccctgtttcc tggaacttac 120
agacaagttc tcagtgtatc cagcaatata ataccactg ccggaagact ggagggcaat 180
ttactcaact gggaagtttc atttgaaact ctcttctaaa aatattttcn ggggctggcg 240
agatngttca ttggtaaaga gcaccanctg ctcttctgaa ggtcccnagt tcaaattcca 300
ggnaacnnca tgggtggnctc acaaccatcc gtaaccgata tcttgatgcc ctcttctgga 360
gtatttg                                     367
```

<210> 585

<211> 163

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 30, 39, 42, 44, 59, 60, 74, 87, 102, 126, 134

<223> n = A,T,C or G

<400> 585

```
cacatgcgta ctgtgacatg ggtgtatgcn tacacatana cncncgtcct cacgttgtnn 60
gaataaaaatt aatncctttg ttgcacnctg actccacatg cngtcctgtg catgggtgta 120
tgcattncaca taancacaca tccacacggt gttaaataaa taa                               163
```

<210> 586

<211> 241

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 20, 56, 59, 60, 61, 67, 68, 82, 123, 127, 130, 131, 138

<223> n = A,T,C or G

<400> 586

```
gcctggacat aggccatann aactactgcg tggaactctc acatgggctg cctatnaann 60
ntggctnngt tccatatatc tncgtctctc caatttgaga gaatccgagc tcgggtcccg 120
gcnatcnaan ntctatnct gaagccccta ttctctagaa agtataggaa cttctcgacc 180
tgcaggcatg caagcttcga cctcgacgtc gagaaggagt gagggctgga aaaagaaaaa 240
a                                     241
```

<210> 587

<211> 261

<212> DNA

<213> Mus musculus

<400> 587

```
gcagaggtgg agtcattggc gagatggcaa gctggaaaga aaactcaaga actccttgta 60
agagccatgg aagttaagga aggggaggaa atcaacttga acacacgtta agatgccttt 120
ctcgcctctg aaggatcctg agtcactgcc ctcatctact atgaatccct ccaaaattaa 180
ggccgtttct atggtgcttc tctacaataa ttatgtggct ttataattag ttgataaaat 240
attaagactt aaaaaaaaaa a                                     261
```

<210> 588

- REPLACEMENT COPY -

<211> 239
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 86, 125, 134, 138, 172, 177, 180, 182, 183, 185, 187, 211
<223> n = A,T,C or G

<400> 588
atgaacctct agtcttgctt tgaaaaaagc tatttttgtgt aactcttgac tgtgaataca 60
tttctaatac agccttttga atcgtnacgg gacaagtgtg ccatggctcc ggtcgggtcca 120
gaggncatga ttcnatgnac cgaatgacag gatgacaacc atccataaag anatctntcn 180
cnntntnatg gagggctgga gcacatggta nacggtactt acatataata aatacctaa 239

<210> 589
<211> 267
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 39, 68, 81, 82, 83, 92, 93, 97, 108, 117, 119, 125, 132,
146, 148, 153, 156, 157, 195, 198, 199, 201, 210, 213, 215
<223> n = A,T,C or G

<400> 589
atgaactggc cattcatacc tcgagggaga cgacagggnc cattgagcgg atgtgctttt 60
ctggatcnag tggaccacag nnnagcttga anngtgngcg atatctcntg ctgaccnana 120
tgaanccttg anattctggg aaggantnct agnacnngaa tcctattgac aatgtgagct 180
cctctgagtg tctgngannt ncttccacgn tentnatctg ttgcagcaag acccttttct 240
acttgaattt gtttaatgat gttaatt 267

<210> 590
<211> 321
<212> DNA
<213> Mus musculus

<400> 590
acactgagtt cagaatgctg cagtggattg tacgaggggtg gaaaataacg aattaccttc 60
tccaaatctg aactcaagta tgaacgtggt caggatgggc caaaatgtat ctctgtcttg 120
ttccaccaag aacacatcag tagacatcac ctattcgctc ttctggggta caaaatatct 180
agaaagcaag agaagacgag ggggagctgt ggatttccac ctgaggatct ccaatgcca 240
cgagtcaggc ccctacaaat gcaaagtcaa tgtttccaac ttgatgaaat acagtcagga 300
tttcaacttc aaaaaaaaaa a 321

<210> 591
<211> 344
<212> DNA
<213> Mus musculus

<400> 591
ctctctgaca gactatgtgc caggaaaaga ctgtctgctc tgagctacca ggcccctaag 60
gagtactgtg acccagcgga gttgcaacc attggagtga ccgcttcagc ctaggaaata 120
ccactcttac agtcaagcga gcaatggatc aaaatgctaa tcagccagga caggagagac 180
ccagcgttcg cctggaaaag ctacagcact gggcaagaca caagcaaagt ggacgcctac 240
tggtgctggc ggtgaggcca ggttgccccg cttcaggttt tcgctgactg tacacagttc 300
aattccactc atgttcagtg agcaciaaacc atgcaccaga aact 344

<210> 592
<211> 124

- REPLACEMENT COPY -

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 71, 106
<223> n = A,T,C or G

<400> 592
gacgtctggg ctctccttac ttagttattc ttgcttttaa cttatgtaag ttcctgtggt 60
gactccatgt natatgtagt gaaattactg tatatagttt ctattnaatg ttaaaatgct 120
aaaa 124

<210> 593
<211> 848
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 211, 275, 580, 585, 602, 657, 669, 736, 754, 775, 778, 791,
798, 803, 804, 812, 825, 828
<223> n = A,T,C or G

<400> 593
aaaagtccaa tgtatcagta gaagagaacg taattttgga aaagccttct catgtggaac 60
tcaaattgcgt gtacacagca actaaggatt tgaacttgat gaatgtgact tggaagaaag 120
atgatgagcc ccttgagact acgggtgact tcaatacaac taaaatgggc aacaccttaa 180
ccagtcagta caggttcatc gttttttaata ncaaacaatt gggaaaatat tcttgtgtct 240
ttggagaaaa ggaactaaga gggaccttta acatncacgt acccaaagct catgggaaaa 300
aaaagtcggt gatcgcttac gtgggggatt ctactgtgct gaagtgtgta tgtcaagatt 360
gtcttccttt aaattggact tgggtacatgg gtaatgaaac cgcacagggt cccattgacg 420
ctcactcgaa tgaaaagtat atcatcaatg gttcccatgc caatgaaaca aggctcaaga 480
ttaagcatct tttggaggaa gatggaggat cctactgggg cgtgcccctt ccagttaggg 540
gagaagtgag gagcaaaatg agctggttgt gctgagcttn ctgngcccc tcaagccatt 600
tntgggcata cttgccgaag tcatectctt ggggggcatc attctgcttt gtgaagnngc 660
cccccccnng aaaaagaatg acccccaatg cttggggaaa agaaatttga accaaatttg 720
accagctgga aatcanatga tagccatggc ttanaaaaac aatgggtcccc cggtncanaa 780
aaactggact nttggcgnat cannggaata cncgaaagga gcttntcncc cttggggaaa 840
aaaaaaaa 848

<210> 594
<211> 121
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 25, 33, 48, 64, 71, 77, 84
<223> n = A,T,C or G

<400> 594
gaacagacag agctgnggat cattncacta agnacttcac tgacgcgngg ctgaaggagc 60
tgtntggact ntctccnagt ccancagtcg ctgggcacca cgaaagaact gcataaggag 120
c 121

<210> 595
<211> 160
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 16, 41, 49, 52, 57, 58, 69, 77, 78, 81, 102, 117, 142
 <223> n = A,T,C or G

<400> 595
 ctgaggagac acacangtgc acgatgctac tgaaacagta natcttcctt gncaagnngc 60
 tgcactcang cttcctnnat ncttggagtg actgcgacta gnagagcctg ccctacnadc 120
 atggctggcc cttcctgaag gncaataaag agtgtgaaac 160

<210> 596
 <211> 380
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 38, 53
 <223> n = A,T,C or G

<400> 596
 gcaactggga aacaagtctn cctggtagca tccacggngc caccacacgc atnaagagcc 60
 aatcagggat gtgtcgcccc gcccatgaag accttcgtta tgttccgtgg aaaaaccacg 120
 gtgcttggga ctcagaacat ttctctcagt cgcagagccc ttgatggagc caaggatacc 180
 ttgccaccct acagaggact cgggggttcca cattcgctcc ctgccagcct acctgggtccc 240
 cagaatgatc ctaaagccca ggggagctcc ctgaagcctg gagctactga aaagcactca 300
 acccggggaga aggtcaaaca ctcactgaag gctctgacct gtctctgcgg gcagggtggag 360
 tagtttcata ggatctgtca 380

<210> 597
 <211> 402
 <212> DNA
 <213> Mus musculus

<400> 597
 gtccaagaag ttggctgccc taaccgaagc cttgaaagca gtctcgctca gtaaggccca 60
 gctgggggta gagttgccag aactggaagc cgcgcactc ctcgtccagg aggaggaagg 120
 tgctggaaga gcagcccagt gcaatccctc gcatcaggct ccacactcca gtcccagacc 180
 cagtgactcg gacagcacct catcctctgg cacagaggac tcagcgtcag agcaagagga 240
 gcctgctggg acccagccct ccctgctcac ttctctgcaa gcccactttt tggaagagga 300
 cagtgccctg atcatcaggg agagtgggct ctgcagaaac atggccagcc aggggatgtg 360
 aagcagtcaa ggacaagcca ctggcctccg gccgggctct tt 402

<210> 598
 <211> 104
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 31, 39, 49
 <223> n = A,T,C or G

<400> 598
 actttttacaa gtctacctgt tcgagaagaa ntgatggcna aataactcana ccttttcctta 60
 aagagctgta atatctcagt gactggatga agtccaatgt atca 104

<210> 599
 <211> 333
 <212> DNA
 <213> Mus musculus

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<220>

<221> misc_feature

<222> 289, 309

<223> n = A,T,C or G

<400> 599

```
gttgtcttgt ggaaatgccc gtgtgaggac gagctgccta ccacgtagaa gatgggacgc 60
aacagcagca agatcagtga tcttccgaaa aacgagtact taaaaaagct gtcaggcccc 120
gagtctatat ctgaaaacga ccccttctgg aatcagctct tttcattttc tttccccgca 180
ccaaccagca gttctgagtt gaagctattg gaagaggcaa ccatttcagt ttgcaagtct 240
ttgggtaagg tgggaaggga gagaaaaaca ggcagtttct aagattttnt gttaaaattt 300
ttaatagtna aataatatga gttgaattaa aaa 333
```

<210> 600

<211> 394

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 312, 326, 340, 352

<223> n = A,T,C or G

<400> 600

```
cctcctctcc tcagcgatcc tgactccagt ctctctgaca gcgaggagag tgtgttttca 60
ggcctcgaag atttgggcag tgactcgagt gaggaagaca ctgaaggagt ggccggatcc 120
agcgggtgacg aagacaacca tagggcagag gagacctctg aggagctggc acagggtgggt 180
gagggaccag cttccatggg ctctcctgca catgaggatg gccagaaaga ggaagtgcct 240
gcctgggagc tgtccgcttc aactgtccc ctctgtggtg tcctcgggaa cctggtcctc 300
tatccgtccc tngtcacaca tttgancttc aagggttggn aacctcagtt gnctgtgcct 360
ttcctgagaa tgacgaatgc ccacgtgctc atgt 394
```

<210> 601

<211> 374

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 52, 62, 118, 129, 136, 144, 148, 151, 161, 172, 178, 188, 190, 192, 204, 209, 214, 223, 233, 238, 239

<223> n = A,T,C or G

<400> 601

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tgatgagacc ctacccagtg attgntggaa ttacaaaatt cacggataac tntgctggtc 60
tnagcatgta gccctgcctg gaaatcctgc ctacagagtct caagtgcctgt gtgacagntt 120
tgatgacanc gtagngctg atgnatcnat ncggatatgc ncctgggaca gncccccanc 180
atagctgncn tnacgactag atgncatgna cctnctcatg gcnatcacag ccnctcennc 240
ccagcaatgc cacttccagg aattgattct cacaacaga gtagctctga cataggagtt 300
atttattgca gtgtgggttg tgatattaat gtagaaatac attccatcaa taaagatctt 360
tcagttaaca ttag 374
```

<210> 602

<211> 182

<212> DNA

<213> Mus musculus

<400> 602

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gatggctgca gcaactcctc tgcggatgag gtgaacacct ccctgaccac aaccacgacc 60
accactagtg ccttcaccat ccaggaatat tttgccaaaga gaatggccca attaaagaac 120
aagccacaag cctcagctcc agggctctgac ctttcagaga cccctgttga aaggaaaaaa 180
```

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aa

182

<210> 603
<211> 387
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 328, 329, 360
<223> n = A,T,C or G

<400> 603
gtagatcggg tgctggcaga ggctgacttt ggacccccag atgaaaggga cgacttggac 60
ggtttgagga acgccgatgc ccaggtacca catgactccc cagaaccagc cgcacacca 120
aatctgtgtg ggattgacca cgaggcgctg aataagcaaa taatggagta caaacgcaag 180
aaggagcgag ggcttcagtg tcagagtctg gcgccaccat cagggcgagg gcaggcacct 240
gaaccgaccc gtctgctccg gaagagagag aaggtgcgat cccggtggca acaccgggac 300
gcttccccag aaagctttct tttgggcnaa ggagaccaag gacgaaggac agcagctcan 360
agtggggaat gccatgcccc cgaggca 387

<210> 604
<211> 176
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 43, 44, 55
<223> n = A,T,C or G

<400> 604
gactacatca cttactngcc tgtggaactg aaccgtggac ctnnacgaat tcaangctga 60
cacagtcagg cttcaacgac cagagtctcc tcggcactga gctcatctca gggtagaccc 120
cgatgttggt tcccatgaat ccttgcctgt gagaataaaa ggcagagtca caaaaa 176

<210> 605
<211> 138
<212> DNA
<213> Mus musculus

<400> 605
tggtggggcca ggccgtggta ccctgggtgat gcggggcgag gcccccccca cagtccgctg 60
agatccctgt gcccaaccct ggcctttgcc atggctccgg taggtccaga gctgtctaga 120
cgcatgaata aaaaaaaaa 138

<210> 606
<211> 281
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 85, 96, 108, 128, 140, 149, 157, 160, 191, 202, 207, 221,
238, 243, 251, 253
<223> n = A,T,C or G

<400> 606
gtcccatggc tggtattggc tcccttgctg tccccaacccg ttcctcaggt cacctcccca 60
ccttgctgcc tatgtcccga gggnttgaga gggccnaaca tggaggantg cagaaccaag 120
gactccgngg ggactctgcn tgccggaang gctctgnggn tgcattttct aaaagcttca 180

- REPLACEMENT COPY -

tctcatcctt ntcaatgtca gnggcanaaa aaactgaccg nagctcaaat cccaacantg 240
 ggncccttcct nanccctcct gggtaatggc tactctctgg g 281

<210> 607
 <211> 634
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 437, 485, 574, 596, 598, 609
 <223> n = A,T,C or G

<400> 607
 ggacatggag ctgtgtttga ctgcaagttt tcacaggatg gacaacattt tgcctgtaca 60
 gattctcacg ggcattcttct gatatttggc tttggatgca gcaagccata tgaaaagatt 120
 cctgatcaga tgttttttca tactgactac cgaccactga taagagattc caataactat 180
 gtcttggatg agcagacaca gcaggcacct catcttatgc ctccaccatt cttggtggat 240
 gtggacggaa accctcatcc aaccaagttc cagagattag taccaggctg agaaaactca 300
 gcagatgaac atttggttcc acagctaggc tatgtggcca caagtgatgg ggaggtgatt 360
 gaacagatta taagcctgca taccaacgac agtggagatg caagcccaga gtccagcgtc 420
 ttggatggca tgattangca gctgcagcag cagcaagacc cgagactggg agtggatcaa 480
 ggatnggact gcaaatggac tttcccagtg ggggaaagga ccacccccga aaaaggggag 540
 tttttagaaa aactgagttt tagacaattt cagncttcct ttcaaaacaa ttgggncntt 600
 cccgtcggna aatggggcca aggtttttaa aggg 634

<210> 608
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 608
 ttggactaag cgaccttgaa tggattcgac tgactactac caagtggaa c gatcatgct 60
 agtctttgta cgcaaagaat aaaaatgtga agaactttaa aaaaaaaaaa 109

<210> 609
 <211> 266
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 43, 54, 76, 95, 102, 107, 112, 122, 160, 164, 166, 169, 192,
 211, 237, 239, 245
 <223> n = A,T,C or G

<400> 609
 ggcctacaaa tgtgacgggtg tgtaacaatg gcctttaccc atntgggtgtt cctnggagtc 60
 ccacctgaag aagatncacc ggggtacagc agcantatgc cnacatngca gngtagagac 120
 anactctacg tgtgtgagga ttgcggctac actggggccn accnangang acctgtatct 180
 gcatgtgaac antgaccatc cagggagcac ngtttctcaa aaagacttcc aaaaagntng 240
 gcggncctta tgcataacaa gctgac 266

<210> 610
 <211> 302
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 130, 132, 134, 142, 143, 146, 147, 155, 166, 167

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<223> n = A,T,C or G

<400> 610

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atcgcaacga acgacataag ccagagcatc gttcttccag ccaaggaccc ctgtcatcca 60
ttagagcggg aatcaagaga tcttctcgga cctgtattca gagtgaactt catcgggaca 120
ggaggcgtgn ananaattat annatnnggt agatnctgat agcatnnagt gaagtagcat 180
caattggcag actgtttttac ctcataagca gtgctgtacc gacttctccc tcatccacac 240
atctctgaac ccataataaa gtttgacaaa taaagggtttt gcttgagaga aatgaaaaaa 300
aa 302
```

<210> 611

<211> 697

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 34, 43, 51, 54, 55, 65, 67, 68, 71, 88, 92, 98, 106, 107, 109, 115, 119, 128, 132, 137, 175, 179, 344, 351, 352, 423, 434, 435, 455, 487, 491, 496, 503, 504, 512, 525, 531, 550, 551, 556, 558, 563, 564, 579, 591, 601, 616, 617

<223> n = A,T,C or G

<221> misc_feature

<222> 627, 630, 635, 636, 661, 665, 666, 667, 668, 673, 674

<223> n = A,T,C or G

<400> 611

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taggaacctg tagaggacca cccntgcacc gatnctactg aancaaagat natnntcgtg 60
gtaananngc ncgatcacta tgccttenta antctggncg tggcannana atgcnatcnt 120
tgatcaancc anaggancca tgcattgggc tgaatgaggg caaacgttgg agcancttnc 180
ctgtcactgt ttggagatcc ctatgagctg gatccttttg acagcaatga ataacagtct 240
gcagatccac cttcccctct gagtgccaag aggagagtgc tgtcccgcctc agctctgcag 300
tctcaccagc ctgtggccag acctgtcgcc atggggctct ctangaggca nnttccttgc 360
tgtggccccc agagcccaag cgtgggagga agccccggtt tcctgacctg tttgggaagc 420
atnctgtctg gccnnagcct cctgatgatg agcangtgcc tgatgttggc attacaccgc 480
ggatggntct nttaancgcc cannaagggc cnggggaagg aagantttta ntcttcccct 540
tttcccgaan nccttngnaa aanntggctt tgctttcgng gggttgggaag ncttttcttg 600
ngttcaaatt ccgttnnttt ggteacnggn cccanntggt ttgggaaacc ttggggggag 660
ncccnnnnaa ccnntggccc ccttttttaa cctggggg 697
```

<210> 612

<211> 370

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 34, 58, 141, 144, 168, 171, 192, 253, 278, 313, 351

<223> n = A,T,C or G

<400> 612

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gtgtgagagc agaaaaacgg acttaagagc tgancaggat gcgttcacgg tgcaccgnct 60
ctgccgtcgg tctcctcagc ttgtgtcttg tgggtgtctgc gagcctagag actatcacac 120
cgtctgcttt tgatgggtat ncanatgaac cttgcactat aaacatanca ntacgaaatt 180
cccggctaata tntatccttg gaattagaga acaagtctgg cccacccgct aactacaccc 240
tctggtagac agncatgagc aaagacgaaa atctgacnaa ggtaagaac tgttcagata 300
ccacgaagtc atnatgtgac gtgacagata agtgggtgga aggcattgga nagctacgtc 360
gtcgccatcg 370
```

<210> 613

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<211> 478
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 459, 460
<223> n = A,T,C or G

<400> 613
aactacaaag agcgagtttc tacttcaatc ttttcctctg cttggagtac atcagggtca 60
acatgaacaa ctggaggtcg gaggataact tcaggccccc caccatatat agactgcagg 120
aaattccatg tttcttctga aatttgacca gagtctgctc ctaaaattgt atgtatgcaa 180
aaagaatgat atttacaac atgaatctta atatagcttt tacagtatat ccaacagaga 240
aatcctctat ggaggactga gaattctgaa accttcagat tatcagcctg tatgctataa 300
aaaacaatat ggagacggtt tccaaatgtc tagagatcca ttttccaagc tccaacaacc 360
ctaaaacctt cctaaaaata agaaattttt accctttctg ttactgtaag cctgaccatt 420
tctgaactag gtaaataaat tacataatag ctgggttatnn ttttttttaa aaaaaaaaa 478

<210> 614
<211> 158
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16
<223> n = A,T,C or G

<400> 614
ctcccttgaa ggggntggg gctatgactt tctgcccagc ctagagagct gtatactccc 60
atttcatgga ctctgcttga gtgtgcaggt tttacatgaa ttctatttat accttttgta 120
tgccacataa ataaagataa tttatataaa gaaaaaaaa 158

<210> 615
<211> 321
<212> DNA
<213> Mus musculus

<400> 615
tcatgcctac agtctgccca tagttccctg gctctctgaa agctcctcag agctctcttc 60
tcaggataag aacccttgg ctatgcttgc ctcccgaagc ccatggaatg gcttccttca 120
tgaagataag cagagtcctt tgaaagcaag ctttgatga gttctagaag catcctgttt 180
tgagacacgc cgttgaagat gcacccttgc tctgcagttc ccctccacgc acaggattga 240
agaagtaaaa gctcctatac agaaggtttc acatctgagc agcagagtcg gttcagtaaa 300
acctctgat aaaaaaaaa a 321

<210> 616
<211> 124
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 63, 72, 100, 104
<223> n = A,T,C or G

<400> 616
tcattgcttc cccggaagct ggacagacta actgctgctg tggatgaact gagagccctc 60
tcngccctcc cntctagctc ccgcttgaag tctcctgccn atanagtga accatcagga 120
aagt 124



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<210> 617
<211> 771
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 261, 396, 402, 406, 412, 500, 504, 551, 698, 716, 724, 733, 739, 751
<223> n = A,T,C or G

<400> 617
gtgaacctgt caaacctttt acaccagaga aagcgaaaga gattataatg tctttacagc 60
agcctgcaat cttctgtaac atgggttttcg attggccatc acgacactgg actgcgaaac 120
accttttcgaa ggtcttgagg ggcaagcaga tacggttcag aatgggcctg agaggcacag 180
gcacagttcc tcagtatgaa accgaatgta gttatgtgga tgcgacgctc gaggagtttt 240
tgacctggaa ctgtgaccag nctagtatct ctggaccatt caaagattat gaacattcta 300
aattctgggc ttacgctgac tataagtatt ttgttactct gtttgaggac aagacagatg 360
ttttccagga ggtggtgtgg tctgactttg ggtttntctga angaantgga cnagaaagta 420
cactgtggat cgggtccttt ggagcccaca ctccctgcc a tctggactcc tatggttgca 480
acttagtatt caggtacaan gaangaaaag atggcatctc tttcctcctg aagatacgcc 540
tttcctttat ncaaccagaa ttccttacga agagtctagt gtgttcaagt aaaatcaatg 600
gtgcaaccct gatttgaaag cgtttccccc agttccagaa agctcgaaag acatatgggc 660
accgttgagc ccaggacaag gttctgggtg gttcccanac actggtggca tttacnttgg 720
aagnctcttt gancctgtna cccgtcaaga ntaaaactcc tggaattgg a 771

<210> 618
<211> 736
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 511, 591, 645, 699, 718
<223> n = A,T,C or G

<400> 618
cattccgctc tgagctgaga ctctgctgct tccatggctg cttccttgaa gacacgcaca 60
gatgtttggg ggtgaagcac atctgtccgg tcctaccctg cccatagaag acggggaggt 120
gtcataccta tgatgtggcc agtggcctttg gagccctgaa gcctcaactc tctgcttgga 180
tccacgtggg gacagacaca cgtgctagac ctgtcagtgt tgaactacgt gtagagtggg 240
tgagggaagga gatctcaacc ccgaggcaca gataacgaac aacctggggc agctgggagg 300
tgactgggag tgccattcat ccctgagagg ttcccaccga ggcagagatg tagtcctcag 360
acgttaatcc tggaaagggt gctcagcagt tgaaaccgct gggtgctttt ccaaaggacc 420
agggttgctt cccaacaccc cagtcaactt gcctatagtc ctagcaggca agagagttag 480
aagttcaagg ccacccctccg ctgtatagga ngccactata ggctgcatga aagccagcct 540
caaggaagaa tgacaaaggg ggctggagtg gcgcttagca gttaggactg ntcgctgctc 600
ttgcaaggac ctgggttcgg ttccaggacc cacattcttt atggncatga atacttcaag 660
atcccaagag gagatctgat gccttttctg gggcctaang gcatctatac catgctgnat 720
aacttaaccg accctt 736

<210> 619
<211> 261
<212> DNA
<213> Mus musculus

<400> 619
cagaataaag atgcttagaa ctctagaagc caagagactg gcagccatgg aatcctctgt 60
aaatctccca gcaaggcttc ccaagggtgg tggagcccag cagactacta gcacaagcag 120
tcaactgaag tctaaagggt ggcatcaga tgaagacgga ccaccttcca cccgcagacc 180
attctacaag actagagcag actttctcaa gagacatcgt taactcaata caaagaccaa 240

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gtgagagcag caaaaaaaaaa a 261

<210> 620

<211> 258

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 36, 41, 53, 54, 65, 70, 74, 79, 81, 82, 84, 91, 94, 105, 107, 114, 116, 124, 127, 134, 165, 220, 234, 237

<223> n = A,T,C or G

<400> 620

acagtgcctg	ctctggaana	tgtgactatg	acattncgat	naggaccatg	gcnnacagtc	60
atgtnaggan	acanctggng	nnenttcccg	ngcncataaa	gcatnantta	catntnaaac	120
tganccnata	gganacactt	atcgataaat	cccattctgac	tcctnaatgt	ttacatagtc	180
cctgtccaca	tggaataaag	cacacaagtt	atttcaccan	aaaagaagaa	catngcngac	240
agtcatgtta	ggaaacaa					258

<210> 621

<211> 113

<212> DNA

<213> Mus musculus

<400> 621

gtcttggccg	gagaccggag	ccatgtctgt	gttatcccca	ctgtagacaa	tccttgcttc	60
ctctggacat	ctggagcagg	cccaatttga	ctgagagcct	tccccacta	aga	113

<210> 622

<211> 523

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 418

<223> n = A,T,C or G

<400> 622

agagtctgtt	cctttgtttc	tgtgttttggg	tttgataaaa	tccaactcca	cgagtgggctt	60
ttgaacttgg	aatagtggca	atctgctcaa	gctccagata	aagggaacc	taatttgcat	120
tctttccgtg	tctgccgaaa	gactcagaaa	cggatttcca	ggactcagga	agccaaatac	180
caagtgtagg	agagaaaaag	cagcattttc	cttaccaatc	ttaagcctga	agggttaagga	240
ttccaagact	aaaacatata	cattttattta	atgtcagttt	tgtgttacac	aagagatcat	300
cagaaatttg	gaaatctttg	tgctttttgtg	gactgccatg	cagaagtttg	actagaaaac	360
cacaggggta	caatatactc	ataaacttga	ggccagcaat	gtagcaaaac	ccatttgntc	420
atattttttt	cctgtgtctt	catacagtct	tttcagatat	aggaaagata	tctctaaggg	480
gagcaactca	aaacatttta	aattaaaaag	gaatttttaa	tta		523

<210> 623

<211> 267

<212> DNA

<213> Mus musculus

<400> 623

atgtgattat	ttttcttcct	caagaaatgc	ttctcggtag	ttaatacatt	acggaaggaa	60
ccgtggagaa	gcggtacgca	aactgcacag	ttcgtgccgc	ttgagcaaaa	tagaggtcgg	120
tcggaggccg	agggtgcctc	ccttcgaggt	ggagaacaac	ttcgcagccc	acagccgccg	180
gtgagtgttg	caagtttggc	gggggtcttg	ctgagggtgt	tttcccgcgc	ccttctcttt	240
ccccgggttt	gttttgaaaa	aaaaaaa				267

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<210> 624
 <211> 214
 <212> DNA
 <213> Mus musculus

<400> 624
 cccaggggat gccccgggtg acgccgccgc tgctcttcac cgaagatatt cccgtgcttg 60
 ctgagccttg ccccgtgtg cgggtgctgc taacttattg gaccgtattt atattgggta 120
 cctgcttcca acccaccatt ccgtgttaat attttttata ccatattttc attccaaata 180
 aacaatgtca cttttctttt tttaaaaaaa aaaa 214

<210> 625
 <211> 129
 <212> DNA
 <213> Mus musculus

<400> 625
 gtttggagtc ttctgtgaac ccattacgtg gatgcatcac aagaactcca ttagtgggtca 60
 agccatccat ctgcccata gatgtcttcc acttggcagc cttctcctat aaaatcaaca 120
 ataacaaac 129

<210> 626
 <211> 405
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 32, 33, 57, 64, 84, 85, 88, 92, 95, 102, 110, 114, 116,
 120, 126, 135, 148, 151, 166, 167, 172, 180, 182, 185, 192,
 208, 216, 222, 224, 226, 230
 <223> n = A,T,C or G

<400> 626
 ctgtactgga gctgctctgn agaccaggct gnnccctgat gcaggagaaa cacctgncta 60
 tacncccaga gtgctgacat taanngcntg antcnccacc anctggctan gaangngacn 120
 tttatnccac ggaancctga agaaggcnac ntaggctcca gctgannccg angaccggan 180
 tnggncacca gngttagctt taaaacanca atgganccca cntntngacn ctcccgggca 240
 cagctgcaca cctgccgcct ctaccagggt gcaggccttc tgagaacaaa aggacaccta 300
 ctcaccaagg tcattacctt gatgggggca gggagaaggg ctgggaatgg aagaagacct 360
 ctagtctaga aaattgggtg aattaaaggg tttgaatcag cccca 405

<210> 627
 <211> 105
 <212> DNA
 <213> Mus musculus

<400> 627
 gtcttctaag atcaagtagg aaatgtgaat tcccaagaac gtgggggaaa atgcaaaaatt 60
 tcccaaacta tggaataaac atgtttccta acctaaaaaa aaaaa 105

<210> 628
 <211> 426
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27
 <223> n = A,T,C or G

- REPLACEMENT COPY -

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<400> 628
actgagggat cagactgaga tcctccnagg cacatgtgac ccatcacccc agacctgaag 60
gtgaagtcac cctgaggtgc tgggccctgg gcttctaccc tgctaacatc atcctgacct 120
ggcagtggga tgaggaagac ctgactcagg acatggacct cattgagacc agacctgcag 180
gggatgggac cttccagaag tgggcatctg tgggtggtacc ttctggagag gaacagagat 240
acacatgtca tgtgcaacat gaggggctaa cccagccccc tgttctaaaa tgggaccctt 300
ctaagcacac cattcccatc atgggaatca ctgttggcct gcttctcttt ggagttgtgt 360
ttactggagc tgtggttgcc atagtgatga ggaagaggaa agggctctac actgtaccct 420
taaaaa                                         426
```

```
<210> 629
<211> 270
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 26, 37, 47, 54, 61, 69, 91, 93, 96, 116, 117, 150, 157
<223> n = A,T,C or G
```

```
<400> 629
cgaggaaatc ctttacatct atgccnagag cggcttngaa agatccngaa gctntggcag 60
naggataana tcacagagga gatcggacac nncangagg ctaaccagac cctggnnnga 120
attgactggc agcatttata atcgctcctn tactaanaac ttgacttgga gttttgtaac 180
acagctggct tttccagaaa gacaacagga aataagtctg gctgaatcta ttttgaaata 240
aattctttat ttaagcttta aaaaaaaaaa                                         270
```

```
<210> 630
<211> 195
<212> DNA
<213> Mus musculus
```

```
<400> 630
agactgagac ctgtgctacc agaagtgaca atggaagtcc ctctgtgaa gaggaaagga 60
cactgacaac gtgtggatcc tcaggagcaa accaagtccag cagacatggg aaatatctgc 120
ttacaataaa acactgtttc tatccttcta ggctctatta aaagatgtat ggatagttaa 180
agcataaaaa aaaaa                                         195
```

```
<210> 631
<211> 105
<212> DNA
<213> Mus musculus
```

```
<400> 631
gtcttctaag atcaggtagg aaatgtgaat tcccaagaac gtgggggaaa atgcaaaatt 60
tcccaaacta tggaaataaac atgtttccta acctaaaaaa aaaaa                                         105
```

```
<210> 632
<211> 272
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 201, 228, 232, 235, 249
<223> n = A,T,C or G
```

```
<400> 632
ctggagagac acgtgcccta tgacaacagc agaccaacca gtgggaagat gaactgagac 60
gtgtgcgggt tatcctgcat tagcttcaac gtcttgatgg ttcataagcg aagccatacc 120
ggcgaacgcc cgttccagtg taatcagtcg ggggcatctt ttactcagaa aggtaacctc 180
```

- REPLACEMENT COPY -

ctccgtcata ttaaactggc ncgggggggaa aaacctttta agtgggtcncc tntgnactac 240
gcatgccana ggagagatgc ctcacggatt ac 272

<210> 633
<211> 415
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 226
<223> n = A,T,C or G

<400> 633
gactgagggt cctcagtggg gtgctgaata ttgcctttcc atccattacc agcacggggg 60
cgtgatatgc acccaggccc acaaacagac ggcagtccag ctggccctgc ggggtggccga 120
cgagatggat gtgaatatcg ggcacgaagt cggctatgtg attccttttg agaactgctg 180
caccactgaa acaatcctga ggtactgtac tgatgacatg ctgcanagag agatgatgtc 240
caaccctttc ctgggtagct atggcgatcat catcttggac gatgtccacg agagaagcct 300
ggcgactgac gtgctgctcg gactccttaa agatgtgctg ctggcaagac cagagctgaa 360
gctcatagtt aactgctcgc ctctcctcac cagtaaactc agttcctact atgga 415

<210> 634
<211> 548
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 49, 179, 211, 212, 222, 225, 254, 262, 269, 292, 319, 320,
329, 334, 340, 351, 356, 401, 435, 511, 513
<223> n = A,T,C or G

<400> 634
ctccatccga gcaggccggg aaacatgccc gccaggaaag agctgcgtng cccctccgag 60
ttcgacgata ccttcgccaa aaagtccgag gtgctcttct gtggccgggt gactgtggct 120
cacaagaatg cccacccgc actgattgac aagtgtatcg agaagttcaa ccatgtganc 180
tgtggctcga caacggactg ggaagcgccc nncgggcaag cntcngctcc tggcccagcc 240
catgcgcaaa tccntctcac ancctggant gcgctcgctg gccttcagga angagttcca 300
ggacgctacc tccgcagtnn cacctttanc tccnttgacn atgacataga naaccncctc 360
atcgggtgggc acaatgtggg tcacccacag acatggagga naaccgaact atgctgtgca 420
cggtaaaatc tgtcngtttt ttgcagcttg aggtctgaaa aatctgtctt acacatccat 480
gtttgtaaac accctttcct gcagaatata ntnatattaa agaagtcaag aaggatgtta 540
aacaatat 548

<210> 635
<211> 334
<212> DNA
<213> Mus musculus

<400> 635
gaatcccaat gctgaagata gtgtttgcag gccatgagca tctctcgctg atatccgtgc 60
ccttgctcat ctaccacca gctcagattc tcctgggaag tgtgttagtg ccaacaataa 120
agtcttggat ggtgtccagg cagaaggag tgaagctgac aaggccgaca gtgtgactcg 180
ggtggcgcca gccttcctgg agtgtgtaca tataatgtaca ggctgtacat acaggggttc 240
tgaggacctg tccttgggga tgctgctttg atgcctatatt tattttttta cagaaaaaaa 300
tatgatatac ctgtttaagt gccttaaaaa aaaa 334

<210> 636
<211> 996
<212> DNA

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<213> Mus musculus

<220>

<221> misc_feature

<222> 506, 593, 632, 653, 672, 698, 717, 725, 736, 739, 745, 752, 760, 777, 781, 785, 791, 795, 803, 816, 821, 830, 838, 840, 844, 858, 861, 866, 881, 885, 891, 895, 901, 903, 904, 906, 915, 919, 941, 944, 947, 973, 977

<223> n = A,T,C or G

<400> 636

```

agagaggcga accccattgc atgctgctgc ctacgtaggc gatgtcccca tcctccagtt 60
gctactgatg tcagggtgcta acgtcaacgc taaggacaca ctgtggctga cccctcttca 120
tcgtgccgct gcctcccgaa acgagaaggt gctggggctg ctgttggcac actcagcgga 180
tgtgaatgcc cgggacaagc tgtggcagac accactgcat gtggctgctg ccaaccgggc 240
caccaagtgt gcagaggctc tggcaccctt gttgagcagt ctcaatgtgg ctgacaggag 300
cgggcgagc gctctacacc atgcagtaca cagtgggcat cttgagacag tgaacctgct 360
cctgaataag ggagccagcc tgaatgtctg cgataaaaag gaacggcagc cgctgcactg 420
ggcagctttt ctaggggcatt tagaggctct gaaactgctg gtggcacgtg gagcagacct 480
cagctgtaaa gatcgaaagg gctacnggct gcttcacaca agctgcagcc agtggccaga 540
ttgaaattgg tgaagcactt gcttccgatg gggggccgga gaatccgatt aancccaatg 600
ctttttggga aaacacaagc ttttgcacat tngctttggc tacctggggc ccngggattg 660
cttgtgggct anttcgaagc ccttggtgga acccccangg aaaccccaaa tgggtggnaac 720
cccanccccc aaattngcnc caaanggggg cntttaaacn tttccaacct tggcaanttt 780
ntggncggg ntttngggcc ttntttaccc caaacngggg ngcctttttt ggggacctn 840
gggnaaactt ggttaagntt naaatnaaat gggggggcct ntaancgttt naacnttacc 900
ncnnanttta aatgnaaang ggaaaaaagt tccccttttg nccnatnggc ttgccaattc 960
caatggggcc ttntttnaaa ggcggtttcc caagaa 996

```

<210> 637

<211> 172

<212> DNA

<213> Mus musculus

<400> 637

```

ctgccacta aggtgtctct gactacgggt cttttatttg ctacatatat atttttacaa 60
aaatgaaatc catattgtac gctattttgc tgtctgcttc gttcccatgt caacatgacc 120
tgcacttctt ttcccatcaa taaatgtgtt gtgatatttt taaaaaaaaa aa 172

```

<210> 638

<211> 327

<212> DNA

<213> Mus musculus

<400> 638

```

actgaggctc tgagggaggc aaacaagtta gcagaaatgg aggaaccagc cctgcttcca 60
ggagagaaca ttaaagatat gggctctgtaa tgttttttgt ctgcacagct gttcattctc 120
ctgtagtgtc cagcctgtgt tctgcaagcc gagaccaga gctgttgga gtgttcctgt 180
ctggatgttg ggaaatgtac aaattcaatg ttattctctt taaattgttg ctgaaatccg 240
tgaagagcag ttttattatt tgaattacat catttagcca ctgtgttggc tagctaaaaa 300
cattaaacaa gtgattttta ttaaagt 327

```

<210> 639

<211> 617

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 462, 486, 501, 506, 509, 519, 523, 524, 530, 538, 539, 551, 559, 561, 571, 574, 598, 599, 601

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 639

```

gactggaccc aaaaggagag ccagtgggtgt ggtcggcaag tggttggaca gctcgaatca 60
tccagcatga gatggatcac ttgcaggggt gcttggttcat cgacaaaatg gacagtggga 120
catttaccaa tctccactgg atggaggtga atgactaaca ctctccttga attgaggatc 180
tggaaatcca gcatgcagac taagatggtc acatctgtgc ttcagcttgg aattggttcc 240
agtccgacag tagacagtgt gtgctggtct gagatgaaga tgatagaaat gcttgccctg 300
aaatcagatc tgacagaata cgattacagc aggactacaa atgtaccatt aaaggagtgg 360
ctatttcctg acaatttccc atggagagga gtgggcaggc aaacatcctc tgtacaaatg 420
agacacattc taaccccaca gcctacaatt gattgataag gnaatccaga tatccaaaag 480
atttgntttt tgagacaggg nttctntgng taccttggtt gcnnngactn actctgttna 540
caagctgcct naacttaana nattcctgct ntgnactcct gactttggac tgaaggggnt 600
ncctctgtgg cttgaag                                     617

```

<210> 640

<211> 529

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 112, 498

<223> n = A,T,C or G

<400> 640

```

aactttgttc taccccaaga gatgatcatt gaagtggagg gagaagatgc tgggtcactg 60
gacatcatgc ctcaggaaag cacagacttc aagattgtga ctgtggacct tncagaggag 120
ggacagagca cgtggaacaa tgcccagaga accccagaga aaaccgtgat cctggaaggc 180
cacagggacc tgtgggactt gccagctgta catggaacag aaggagccac cgcaaagcag 240
acaatcttcc atgaagaacc atcccatgga ttgaagctag aggggttggc aagagatgac 300
ccttggtgtg catcgtgtga agaagtccga gactgtaagg agcagtcggg gaaacaaccg 360
aacaagcaag aggaggtggc ctttaccagc ggtagcgtg gctctcctga tactgtctac 420
aggggtcatg accctgacag gagttgcctg agtaccagcc ggccttcatt ccccatgatg 480
ccccttagaa accatttnca taaacaggcg tcacatgtta aaaaaaaaaa 529

```

<210> 641

<211> 106

<212> DNA

<213> Mus musculus

<400> 641

```

aggcagatct gacaaattct ggcagttctc cctctgagga tgatgccctg ccttcaggtt 60
ctccctggag aaagaagctc agaaagaagt gtgagaaaga aaaaaa 106

```

<210> 642

<211> 638

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 150, 152, 452, 609

<223> n = A,T,C or G

<400> 642

```

caaatcatcg agagtcagtg gaagcagcgg gaacaccatt cattataagt tctttggtga 60
gtttccctct acatagcgaa gaccattaaa gaagcgagac cagcgaagtg ttgcacagct 120
agtgaagacc agcaaagcat cgcataaagn cngaattgcaa gagcgtcctc tcaactgtctg 180
aggggttcca tttatactct ctctgaatat catggaccct ctaacggcgt ctgctccagc 240
aaaacatcat cacatgcctc ctcgagtctg cttcagcaaa acatcctcca aagacagctt 300

```

- REPLACEMENT COPY -

```
ccagaaaaac atcatgggac acaaccaagt ttccaaaaga aactggaaat ggaaatttcc 360
actttatcag acattttttt aaaattagtt tttaaaagtc atattagaga agcagaaatc 420
caatgagttg cctctgattc agtctgtgca gnttggtctc aagtatatct taattcttcc 480
ctgtgaggac tacaagaata gtgttttaaaa tgatacagct ttagacttgg agtgagtcta 540
gagtagactg cttctcacta taggcttata taattgaaca tatacattag atctggcctg 600
ttaaactgna atcatttgga taaaatactt tggtattg 638
```

<210> 643
 <211> 147
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 62, 77, 85, 120
 <223> n = A,T,C or G

```
<400> 643
agcggctgga tgacatttgc tctaccaaca acagccatgg aaaagataca agttctcaca 60
gnagaatctg acatcancca atgantgaat ccattacatg aactgacact gcgaattcan 120
aattcaaggt tctgcttttc caagcta 147
```

<210> 644
 <211> 744
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 410, 559, 564, 588, 591, 595, 630, 651, 658, 683, 695, 707, 714
 <223> n = A,T,C or G

```
<400> 644
gctcctgctc caaagagcac gctcgttccc gctggcccca tcaccaagtc gtctgggttct 60
cggttccgga acagtgtgga agggctgaat caggagattg agatcataat taaagagacg 120
ggggagaagg aagaacagct gattccacaa gatattccag atgggtcatcg tgcgcctccg 180
cccctcgcac agagaagcag cagcacacga agcattgaca cacagacccc tgggggtgca 240
gacaagggaa gcaacaacag cagccgctct cagtctgtgt cccaacatc cttcctcacc 300
atctctaata aaggcagtga ggagagcccc tgttcagctg atgatctgct tgcggatccc 360
agagataaag agaatggaaa caattctcct ttgccaaaat atgcaacctn accaaaacct 420
aataacagtt acatgtttta aaggggaacct ccagaggggt gtgaaagggt caaagtcttt 480
gaggaatgct cgccaaaaca acttcatgag attccagcct ttactgtcc tgacaaaaac 540
aaggggaatt tcatttctna aagnggctct gctttctgcc tcgtgagnat nctcnaacca 600
cttttccctt caccagatct tactcttaan ggcttttggt tacaagcctg ncccgtnncc 660
actgggatga ccacccttt tgnttcaagg ccatnttttt tggcctncct tgtntacaaa 720
cacaaaagca agaacgggtt tttt 744
```

<210> 645
 <211> 105
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 67
 <223> n = A,T,C or G

```
<400> 645
gaaatgagca ggtttgcaga aagactgggtg gcctaaaact gaagcctaag gagtcgggtgc 60
ttggctntgg ctgagaacat ggccaatgac attgaaaaaa aaaaa 105
```


- REPLACEMENT COPY -

<210> 646
<211> 190
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 37, 62
<223> n = A,T,C or G

<400> 646
gcctgtcctg cctgctagtc cccacccan agacaanact ccgctccaca ccatcccacg 60
gnagcgtaag cagcctcaac agcacaggca gcctgtcccc gaagcacagc gtcaagcagg 120
tcagtgccca aggctcttg tatatcattt ctcacagca ataaagagaa agctttgatc 180
aaaaaaaaaa 190

<210> 647
<211> 138
<212> DNA
<213> Mus musculus

<400> 647
gacttcctga tgtcccctct cttgggttg acctgtgtac ctcacagctg ccttggaacc 60
agctcaccca tgctcctacc tctttaaatc tctgaataaa cagaactgcc tcctgttctt 120
tgagtgacaa aaaaaaaaa 138

<210> 648
<211> 346
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 125, 284, 296
<223> n = A,T,C or G

<400> 648
ggaagtgtaa catctcccat ttttctgaca tatttgctgc tcgagagttt aaagcccgag 60
tggaactcatt tttctacata ttaggataca accctgagac aagtttgaac gttcagagtc 120
tcggnccacc tgcttggtg actggctgct cggcttgac ggcgttggtg tacagccacc 180
tgctttgatg gaagatttgg agttcctggc tctgctttgt ggtgacctct gggtttccga 240
gttgatttta catgcattga aatcagcaac actgctttct ctgnttatgc atttgntctt 300
tattctcctg tcttgagaaa atacattttt ggggaaagtt aaagaa 346

<210> 649
<211> 152
<212> DNA
<213> Mus musculus

<400> 649
gactgagaat tggcacagaa agaggaggaa gaagatcctc ttgctgaaga aaaacgacta 60
gaagaagaaa gggtgttaga ggaagagagg cagagactgc atgaagaatg gttactgagg 120
gaagaaaagg cacaagaaga attcagggca aa 152

<210> 650
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

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<222> 337

<223> n = A,T,C or G

<400> 650

```
tggcctctgt gaaggaaagt ccactctagt ccctacctgc atatctcagc cttgcttacc 60
tggtgcgaac attgggcca ctcgaattct tcccaatctc tatcttggct gccagcgaga 120
tgtcctcaac aaggacctga tgcaacagaa tgggattggc tatgtgttaa atgccagcaa 180
tacctgtcca aagcctgact tcataacctga atctcacttc ctgcgagtgc ctgtgaatga 240
cagcttttgt gagaaaatcc taccatgggt ggacaagtct gtggatttca ttgagaaagc 300
aaaagcctcc aatggctgtg tgcttatcca ctgttanctg ggatctctcg ctccgtcact 360
attgctattg cctacatcat gaagaaggat ggacatgtct cc 402
```

<210> 651

<211> 156

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 98

<223> n = A,T,C or G

<400> 651

```
gactgagatg gacagtctga ggctgagaga gggctagtga tttctcggac acttgggcag 60
taggtaacgt tatgaccgat gaattgggcc tgaaatanag catatatccg atcatcaggg 120
cttctcctct gcagctacat gcaccccaaa aaaaaa 156
```

<210> 652

<211> 388

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 321, 325, 337, 368

<223> n = A,T,C or G

<400> 652

```
ggaagtaaaa ggatccagag agaaggatcat tagtgacgaa gatctagaat tactgttgga 60
tcgaagtgat ctcatatgat aaatgaaggc ttcaagacca attaaaggga agacagggat 120
attcaaaaata ctagaaaatt ctgaagattc cagtgtgtaa tggtttatatt aatgtagaac 180
taaattggctt ttaaaaactt tgggtttacat ccattctggt aatttgcttg ttggctttga 240
aatccatatt gttcacttta cttttataat atatcagttt ttataatgta actagtattg 300
catacttgat gaaaattttg ngggntttac ctaagnttaa aattcctata aatttaaatt 360
tttcagtnag tttttgggac tgggtagt 388
```

<210> 653

<211> 124

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 27, 55, 58, 60, 87, 90, 92

<223> n = A,T,C or G

<400> 653

```
ctgccacaca gcccanggat gcccttnctg gtactggcac acagtattta ttggncnana 60
aatgactggg attgggctct gagcatnccn gntccctgtc tgccctattt cagggtttgt 120
ccta 124
```

- REPLACEMENT COPY -

<210> 654
 <211> 403
 <212> DNA
 <213> Mus musculus

<400> 654
 tcctactctg ctgtatcatg gaacccggga ggaccgtcgg aaattagtaa agaatatcca 60
 caaaagacaa gggacactgc agattcatcc tgtgggtggc acatcattcg agatcgctat 120
 gcgagaccag aatgctttac agctttgagt cttgggttga taccactagt ctttctgaaa 180
 ctgctgaaga tattatagct aaagagagag aacagaatgt ttacatatg ctgcaccaga 240
 ttttaacgcc tttcctactg agaagactga agtctgatgt tgctcttgaa gtcccccccta 300
 agcgagaagt agttgtttat gcaccacttt gcaataaaca agagatcttc tatacagcta 360
 ttgtgaaccg cacaattgca aacatgtttg gatccccgaga gat 403

<210> 655
 <211> 145
 <212> DNA
 <213> Mus musculus

<400> 655
 cagactgagg tgtattccag agaacaattt tgagatatct ttgcttatat ttgacattga 60
 gcagtcaggg gatttaggca tatgaggagg tactgtcaca taaaacagtg tctagtgaag 120
 acgacaagaa agagagaaaa aaaaa 145

<210> 656
 <211> 453
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 28, 31, 57, 60, 63, 65, 77, 80, 84, 99, 101, 104, 195,
 209, 217, 234, 253, 254, 288, 290, 293, 294, 303, 327, 332,
 350, 375, 397
 <223> n = A,T,C or G

<400> 656
 gtttgggaaa agggaagtaa tgacangntg ncacctgaac taaatctttc atagacnacn 60
 ccntnccaga tcttcangan gaanggggat atgccccang nccncataac taccctgtgc 120
 ggggattgct agttttacgg acctcctgaa ccagcgtgcc ttctcccatc tcctttacct 180
 gctacaacta caaanagcct cctttttant tcccgantac caaaaaaggg gganactgct 240
 ttttgggcct tgnnaggggg aaagaacaat tgtgggtttt aaacaagntn tgnnccataa 300
 gtnttcaacc caggggtttt caccagnatt cnacataaaa aacctggaan agaataaacc 360
 tttggcaagg ggatnaatcc cccgaagggc agaatanccc cccgttcttt gttttgcaag 420
 gcccgctcct tgggcaaagg ggatttccca aaa 453

<210> 657
 <211> 143
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 74, 77, 82, 121
 <223> n = A,T,C or G

<400> 657
 gactgaggaa ttcacatgnc gacaaaaaaa gacatttttc ttggtagctg aacaaaggct 60
 gaaggactgg catnacnacg gnggctatcc tgagggaccg cacatggcgt acgatatgga 120
 naacacggga agccttacct cat 143

- REPLACEMENT COPY -

<210> 658
 <211> 507
 <212> DNA
 <213> Mus musculus

<400> 658
 acctgagccc tgggcatctc tctagaagcg gtgcgatcat ggaggtggtg ccggccgagg 60
 tgaatagttt gcttccagac gacataatgg acactgctat aacgttagtg gatgaggata 120
 gtattgaggc tgtaattgtg tcatcccca ttcccatgga gacagagctg gaagaaattg 180
 tcaacataaa ttctaccggt gactctacag ccacgccccat ttccacggaa ccaatcacag 240
 tgtacagtaa ccacactaac caagttgcag tgaataccac agtttctaaa gcagattcta 300
 ataccacagt gaaaccagca tttccaagtgc ccttcaaaa acttggtgct cagactcctg 360
 tgactatata agccaatcag attattttta acaaagtatc acagacatct gatcttaaac 420
 ttggcaatca gacccttaaa cccagatgga cagaaagtta atattaacaa cttttgggca 480
 aagtcttggt tcaacaaatt ggttttaa 507

<210> 659
 <211> 154
 <212> DNA
 <213> Mus musculus

<400> 659
 gactgagaac cctgagcctg gaggttttct ttccccccct cctcctgagg cttagttagat 60
 ttggagttgt catggcaaca ttttttagcaa ctgtgttgct ctacaggaag ccttgctgaa 120
 taaaataaag aagccttgaa catgaaaaaa aaaa 154

<210> 660
 <211> 280
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 163
 <223> n = A,T,C or G

<400> 660
 gactgagctt aaattcccta ccaggccaaa ggtgaggggt cctacaattc ccatcacaaa 60
 gcctcacacc atgaagccag ctccacgctt aacacctgta aggcttgctg cagcctcccc 120
 cattgtgtca ggagccaggc ggagaatagt gcggtgcatg aantgcaaag cttgtgtgca 180
 aggagaatgt ggagtctgcc actactgtag gggaccctc tagtttctgt aaatattgaa 240
 tcagtgagtg aataaaaatg tgctaataaa tgaaaaaaaa 280

<210> 661
 <211> 126
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 67, 70
 <223> n = A,T,C or G

<400> 661
 gactgagcag tccccccacc agcctctgtt gtctgtgtgg tcttttccca ttgccagtcc 60
 ttggganggn tttctatttg tctgccttg agcctattaa acagcctccc ccgtgaaaaa 120
 aaaaaa 126

<210> 662
 <211> 134
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 35, 50, 52, 59, 60, 62, 63, 90, 98, 100

<223> n = A,T,C or G

<400> 662

```
ttcaggatcc cccggtgatg actactcttg agggncctcc ttgggggggtn anctgggcnn 60
cnntggccaa agaaaggaca aaagcttttn gggggatnan gttaatttaa agactttttg 120
gttcaaaaaa aaaa                                     134
```

<210> 663

<211> 565

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 21, 24, 49, 157, 201, 309, 469, 534

<223> n = A,T,C or G

<400> 663

```
aagccatgct tgttttnttg ntgnacccca ccgtctgtat gtacagctng cctccagctt 60
ctatgacttc tctttccttc cctagctggc ttgagccatc ccgagaaacc catctctccc 120
aaagggaaaa cccacataga aagcagagag gaaattntac aggccacacc atagggggcc 180
attcagagtc agagccaagg ntcccccaaa ttgatgacca aagtagtttt cctgtatctt 240
cagtttgctt acaaagtagg atgccattga tgccttacct acctaggtgc agaggccctc 300
aattacctnc tcacacggcc tggaagcccc gatccccctc gtcagcatct tgcctccttg 360
cccctctagc atcagatgtg cttgggtcact tacaccaggc catgacctta ttctagaatg 420
ctctatgtct caaggtgcat gcctagcgaa ctgggctctc tggagtatna accagatgtt 480
taaatacggg ctcaagtacc tacacccttt ttttgtcaaa attatccact tganatattt 540
aagttcagag gaaaagttaa cggggc                                     565
```

<210> 664

<211> 446

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 28, 32, 33, 37, 41, 48, 49, 55, 61, 282, 289, 332, 344,
355, 379, 395, 408, 418

<223> n = A,T,C or G

<400> 664

```
ttgagacata gaaggcattc ctcaananag tnntggncctg ntgtaagnna ccaancacat 60
nggatgctat aggggcacag gaggctaaga tgctgacctg aggggatcgg ggcttccagg 120
ccgcgtgagg aggtaatgta gggcctctgc acctaggtag gtaaggcatc aatggcatcc 180
tactttgtaa gcaaactgaa gatacaggaa aactactttg gtcatacaatt tgggggagcc 240
ttggctctga ctcttaatgg ccccctatgg tgtggcctgt anaatttcnc tctctgcttt 300
ttatgtgggt tttccctttg cggagagatg gngttttttc cggnatggct tcaanccagc 360
tagcggaaag ggaaaagana aagttcataa aaaancctgg agggcganct tgtaccanac 420
cagaccgggt ggggggtacca acccag                                     446
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<210> 665

<211> 105

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
<222> 85
<223> n = A,T,C or G

<400> 665
tagctggcct acaactcacc atgtatgccca gaaaagaaat gtacctgtct ctctgcttct 60
tgattgttgg gattaaagat gtgtntctaca tcagcaaaaa aaaaa 105

<210> 666
<211> 243
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 146, 167
<223> n = A,T,C or G

<400> 666
cttcctcttc attgacaagt taccacagcac cgtggtttct cagttgtttg ttttgaatga 60
tactgatctt tgcgttccgt gttacagact tggactccag gataatgagg gtttaaatta 120
tccagatgct cattctttgc cagtgncata tttacaaaat ttcgtanttt aagcctttaa 180
tttaaaaagc ctgctttaaa tactgcctgt gagtaaacc ttgataaaaa gacatgtgaa 240
aaa 243

<210> 667
<211> 172
<212> DNA
<213> Mus musculus

<400> 667
ctcctgcaca cacgaagaaa gcaggatcgc ctactgtgc tgcctccaag tgttgtcccc 60
aaataccact gacaaaaag caggtgtttg cggatcagtg cccctggaa gtgagtcata 120
ggcattgttc aagaaggaag cagctaagac aacatgaatg aacaaaaaaa aa 172

<210> 668
<211> 115
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 73
<223> n = A,T,C or G

<400> 668
gactgaggat tctgatgctt catgacatgc catcatgtag agcaataatg aacactggcc 60
tattttggac tangcctgga caattttggg accctccgtc tcaaaggaaa aaaaa 115

<210> 669
<211> 346
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 39, 149, 181, 190, 203, 218, 270
<223> n = A,T,C or G

<400> 669
actgtatggg ggcagccaca gcatccacaa ctcccaggnc ccagtcctgg tctccggagc 60

- REPLACEMENT COPY -

```

ggacagcccc ccctccagtc ccaccggaca caactgggag atgaattatc aagaggcggc 120
aatctacctc caggaaggtc aaaacaacng acaagttctt caccaccccc aaggatgcca 180
nagcgtggn ggcctacctc ttngtccaca accacttntt ctacatgatg gagctgctca 240
cggccctgct cctgctgctg ctgtcgctgn gcaagtcccc cgctgtcccc gtgctcaagc 300
tggacacttt acgtccacgc cacgctggaa ctctttgccc tcatgg 346

```

<210> 670
 <211> 156
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 39, 45, 46, 51
 <223> n = A,T,C or G

```

<400> 670
gacttggcaa gcctgaggag caccanaag ctgggacana gccannctga ncccgagcag 60
acactgcagc ccaggagggg ctgccagggc tcctcgtgaa tcctgacaac accgccatca 120
ttaaacattg ctttctcttt cctccaaaaa aaaaaa 156

```

<210> 671
 <211> 267
 <212> DNA
 <213> Mus musculus

```

<400> 671
gactgagatt ccagaatttg ataacttgta cctggatatg aatgggatta tacatcagtg 60
ttcccacccct aatgatgatg atgttcactt cagaatttca gatgacaaaa tctttactga 120
catttttcac tacttggagg tgttggttcg aattattaaa cctaggaaag tggtctttat 180
ggctgttgac ggtgtggctc ctcgagcaaa aatgaaccag caacgcggga ggcgttttag 240
gtcagccaag gaggcagaaa aaaaaaa 267

```

<210> 672
 <211> 583
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 38, 45, 73, 77, 81, 85, 88, 103, 119, 155, 164, 165,
 189, 236, 252, 268, 306, 466, 493, 498, 522, 537, 541, 555
 <223> n = A,T,C or G

```

<400> 672
ccagtgcagg tgcattggtac canatggatg tcactagntg acctncccaa agcctgtctg 60
acactcgagt canactnatt nttcntcntg taaatgtgaa agngcacctt ctctgcggng 120
ctcacaactc aagcttgatc tgttccgggc atgcnaaggt ggcnnnggtg gccagctgac 180
ttacgacana cctgaagggc acagactttt gatttttgatt actgtaaata tttggnagtc 240
tgtgtcttctt gngttaaaaa taaattgnta agaccactaa atacctaaaa gaaatctgtc 300
ctaagnnggt aaaacttcgg aaaaccacaca acgagaagaa gtcggtcctg atgctgatcc 360
tctgcagctc cgctgtgcca gccctggagc tcatacaggtc tctgacagca ttcaaaggag 420
atgccaaaag ttatgaaatt atttgcaaaa catataaagg gtccangaac aggtaaaagt 480
tgccctggaga aancgtgnga taccacctgg gtgtggggga cntccgggga agaattnaaa 540
nacttggtca aaacnagaat gggctccatt tgaaccctt aaa 583

```

<210> 673
 <211> 212
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 21, 51, 95, 114, 133, 176, 187, 193
 <223> n = A,T,C or G

<400> 673
 tgtggaactc taaaaggtac ngacaggaag catggcttgg atccatatat ntactgcctc 60
 gaatcgatga attcgagctc ggtacccggg gatcngaagt tcctattcgg aagntcctat 120
 tctctataac cgnatacggg acttctcgac ctgcagagca tgcaagcttc gacctngaca 180
 gtctganaag gantgagggc tggatatggg ga 212

<210> 674
 <211> 432
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 335, 337, 342, 349, 358, 415
 <223> n = A,T,C or G

<400> 674
 atagactgag gttggagcag ccctacttca acgccaacgc tcagttcttc caggcactgg 60
 gccagtgtc gtctctgcag cgctgtgcc tggatatctg cagcggcacc ctgcagccag 120
 atgccgtgct ggcctttatg gcccggtgcc tgcaggctgt catgtgtcac atgttcaccg 180
 gagaatccct taccacctgc aagagcctgc agcagtcgct cctccggagt ttccaggccg 240
 agaggccgc gttgaacgtc gtcattcttc ccctgtctca cgagggcctg acagatgtca 300
 tccgagatgt ccccatgctg cacctggatg agatnancct gntcaaaanc cgtgtggntg 360
 atgaaccggc caacctatgg tggtgaaagg accttggcag ccggccaaca agtcntgccg 420
 cacgtcacca at 432

<210> 675
 <211> 342
 <212> DNA
 <213> Mus musculus

<400> 675
 agactgagtc gagatttctt atttatcggt atcctggaaa gccaccaact caagtcacag 60
 ataattggctt tgaagacaag attatttctt gttattcaaa taatggccat tatgattctg 120
 tatattcaaa agaatttcaa tcaactgcag gaatttgtca agctatatta tatgaacttc 180
 tttataaaga tgtatttgtt gtggatgaag aaacggtgaa aactgcagtc gatttatttc 240
 gaagtggttc caggagaaac aaacaccatg ctttggctgc ctgatgtaat ctctctgggt 300
 tgaggcatta ttaaaagtgt gatttgtgcc taaaaaaaaa aa 342

<210> 676
 <211> 240
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 39, 55, 76
 <223> n = A,T,C or G

<400> 676
 gacgtctggg gagctcctgc attaatgcaa gaactgatnc ccctgtacac cgaanttggag 60
 accggtcaca gctcangcgg ccctagacgc ttctggcaca gggatggagg ctggctggtc 120
 actgctgctt tgaaagtccc aaacatcttt gaacagggtga gaagaaacta ctttttcctc 180
 tcttttagacc tctgaccagc aagggatctg aacaaggaat ctgaatttaa aaaaaagaa 240

- REPLACEMENT COPY -

<210> 677
 <211> 292
 <212> DNA
 <213> Mus musculus

<400> 677
 gactgagcctt tctccagacc agatcgtctt gcttttggag tggctcttag agcagaagac 60
 gctgagccct cagacactgc actgtctcca gcagacttac catctcccgg agcaggatgc 120
 agagggacgt cctgactaca tacatgtact gtggactgcc cagcaatcga tgggtgtgaaa 180
 gccgtccttc ctctgaagaa ctctctgcct gatctgtcct cagagcccga ccatgctgct 240
 ctccgtctgt ggcatataa actgaataaa tctcttacc aaagaaaaaa aa 292

<210> 678
 <211> 454
 <212> DNA
 <213> Mus musculus

<400> 678
 gggcaaaaac caatccagac ctgcactgcc agtgaggaat acctgacctt cacctaaagg 60
 gacaaaggag tcaaggagtg tgctcgggag ccatgtgcac accgtccatc ctgtgtgcag 120
 tgctgaggat gccgtctgaa cgagggagcc agagaacatt gcagcatccg tcacccgcag 180
 ctgtgactct gcagacttac agactaaaat cacagcagga tgactgttgg atcctgcctc 240
 accatcatct cccgttcttt cctatgtgca ttttctacag aaagggtatt actgaaaagg 300
 gagttggagg aagaggatgc tattttaatct ccaaatagcc agccgcgtgt tccacaaaac 360
 tcctggccaa gtggccatta ctgttcagcc tggacctagg aaactgctat ctttttgtcc 420
 actgggagta cccaaaattt ccttctggga caga 454

<210> 679
 <211> 382
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 39, 48, 293, 318, 319, 352
 <223> n = A,T,C or G

<400> 679
 cagaagagaa gcttatgtna taataacacc acttagaanc aaaaaagntg atagagcaaa 60
 gatgtataga ctacagtctc tctattgaag gaatatcgga ctttttcaaa gcaaagcatc 120
 aagaagaaag tgactcagat atacatggaa ctccaagtgc taccagtaag tctcaagaga 180
 cctttgaaca tagagtggga tttgaaggca ataccaagga ggactgcaat gaatgtgaca 240
 taatcactgc cagacatatt cagatacctt gcccgaagag tatacaaatg ctnaccaatg 300
 atttttatgaa aaagaacnng ttgccctcaa aactgcagaa aactgaaaat cnaatagggt 360
 gtatcacagt attgccggtc ct 382

<210> 680
 <211> 770
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 45, 55, 64, 67, 68, 119, 142, 550, 552, 635, 639, 641, 651,
 681, 684, 694, 709, 723, 725, 732, 739, 748
 <223> n = A,T,C or G

<400> 680
 actgagggaa caagactggc agacttgccg aaagaaacgt catgnggtta tgtancgtgt 60
 tctngannaa ggacttcgga gtcacctact aggagtcttc cctccctccc tccctcttnc 120
 ctgcgcccag catcatggcc gntcgctga tgaagcgggtg tacctgcctg cttcgagagg 180

- REPLACEMENT COPY -

```

ctacccgcct agttcctact gttgccccag ttggcccgact gagacttgct ggagtgtcct 240
gcaagacttt gacgtcctct gtcagttccc cctcctcggg ctccttggcg gagctgttgg 300
ggaaagagca ggtgtttact ccgtacccag agcaccaaga gctggacttc ctcattgaga 360
aagcctccag accagagcag ctgctggagc tgctggggtc tgaccatagc ctgcaccaca 420
atcacgcggc cctcatcctc atccgcctgt cctacctgct gtctgagaag ccaaaggaaa 480
aggccttgct tgcaaaggat gctcgctttc agcgacttgt caagctagtt gatagtcagg 540
aacctggtan gnacttcaga gacaagcagc ccaacactgg cctgctatca ggagtagagg 600
agatgaacct gcttcttcca gttccttggg acttnctgnt nacaagcaga ncctttgact 660
taaatcccta ccaatctttt naanatctgg gtgnccattt ggacttcctt tgaagccaga 720
aananaatcc anattggtna atggagggncc ctaaacctag gacttccttt 770

```

<210> 681
 <211> 408
 <212> DNA
 <213> Mus musculus

```

<400> 681
gactgagtct tgttttcaga ctggactcag gctggccttg aactcccagt gtagctgagg 60
atgacctttc gctcatggac ttcctgtttc cacttcctaa gtgctgggat tccagggtccg 120
tatcacctgt atgtatctta ctcatatcac cgcattctct gagtaccat cccctttata 180
atagcatctt tggcttgggc tgaggcccca gtcagcagca tatctatttc tttttgctta 240
tcttcccatg ttttctgtat tgaaactatt cccagtgtat agtggttcaca tgagtccttt 300
tctcacttgg tacctccctc catcatcaag ttgctgagtg aaatgaacaa tataacgggc 360
ccctaattct caggagggac tttttaaata aatgtgtttt aaaatcat 408

```

<210> 682
 <211> 388
 <212> DNA
 <213> Mus musculus

```

<400> 682
gaggagcctg aagctaccgt ggactctgct gtggcgctctt ggccccccagg tgcggatcct 60
ccccagtgag aagtcccacg agtcttacag caggtagcgt ccgctcggtg gcgccccagg 120
acagttttgc attagaacgt tatcatctat ttcaacctta cctaaccgat agccgtagcc 180
ctccgtgctc ttggtggacg tggttaagcaa gcgctctgcc taagccgagc cttgcgctat 240
ttgtaaaatt cccaacgctt gtcctttttt agactcgaca gttctgaaca gggcggtgtga 300
tggtgggtgtg ggagggtaga ggtcaaggct ggccagtgag attgtctggc tttttctttt 360
taaataaatt agctcactta aaaaaaaaaa 388

```

<210> 683
 <211> 226
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 90, 132, 135
 <223> n = A,T,C or G

```

<400> 683
ccagcagact ttaccctttt ggccagtttt ggagtttccc tttgccggaa gggttgatga 60
aggaaagaga cctccagcct cagcgttctn ctcacattct gagaggaaag gaggaagagg 120
gccatgctgt gnggnccaag gctggctttg cccgggggaag gagccaaaaa ctcccgggga 180
aaatgatgga agatggaata aatcaataaa atcagaccaa acaaga 226

```

<210> 684
 <211> 206
 <212> DNA
 <213> Mus musculus

<400> 684

- REPLACEMENT COPY -

```

ggtctaggtt ggtctggaag aagatgtgta gctgatgatg accctccatc agcttacgat 60
cctcctgcct cacctcccag gggctgagat gacatccacg tgtacccatg gctttgtgcg 120
tgaaccacca gcactgtatg gcgctacctc cacagccata aaatgctaac attttaataa 180
atttttagct aattgaaaaa aaaaaa 206

```

<210> 685
 <211> 210
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 137, 175, 184, 185
 <223> n = A,T,C or G

```

<400> 685
gataagaacc tattacattt gttttctata aatggaaagt atctgggggc tcaagtcctg 60
agtgaacaaa tatcagacat gtgcataatt ggagaacaca ttatcactgg cagcttacia 120
gggctcctgt ctataanaga gctccacagc ttgaagctca gcgtcactcc attanccatg 180
cgannaccta tccactgcgt tttataacct 210

```

<210> 686
 <211> 338
 <212> DNA
 <213> Mus musculus

```

<400> 686
atgggttgtaa gctgctgtgt gtgctgggaa ctgaatcgag tcctctggaa gaacagcagt 60
gctcttaacc ctgagtcacg tctgccccat cctgtatatg taaagccctg ccttggtcct 120
tgcagactga tgggttcaga agacacttgt gtttcttggc ttaaacactt ctcctaaatt 180
ccaggtcctg cacactctaa gaaggaactt ttgagtttcc ataccagtcg actgtctccc 240
cctcctggac agccagaacc ttgagagccc ggctatgcag tcttgtttgt ttgcccacct 300
tactgtcaat aaaggtgatg ccatacctaaa aaaaaaaaa 338

```

<210> 687
 <211> 371
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 47, 54, 55, 76, 78, 80, 100, 101, 124, 125, 126, 128,
 132, 137, 138, 145, 146, 147, 152, 153, 163, 168, 170, 175,
 179, 185, 186, 197, 204, 345
 <223> n = A,T,C or G

```

<400> 687
agatctacct gcctctgctg atgttcctnt ggcttgtgct ggctgangcc agannagggc 60
gtcagatgct caggancnan acacacttac tgacagctgn naatctgctc tttgggtggc 120
tggnntnca anagtannaa aggcnnntaa gnnttcttaa ccncagangn taggngctng 180
atganncctg gcactcnggt ttgngtggac ctaggagagag gtttccactc tgcctttccc 240
caaaactgat tgcattctga gatctcagca ttgagaccct taaaaagctc cacctgcagt 300
tagttagaaa cttgttgtcc tgtgggagtc aaggaaaatc ctccnccctt aaaatatttg 360
aaatttttat t 371

```

<210> 688
 <211> 424
 <212> DNA
 <213> Mus musculus

<220>



- REPLACEMENT COPY -

<221> misc_feature
<222> 182, 244, 374, 375, 400
<223> n = A,T,C or G

<400> 688
ctgagggtggc tgggtgatagc agttgggctg gtgagagcat acctgggctaa ggggagctac 60
catagccttt attattcaat agaaaggcct ttgaagttct tccagacagg agccttactg 120
gagattttac attgtgctat agggattgtg ccatcttctg ttgtcctgac ttctttccag 180
gngatgtcaa gagttttcct aatatgggca gtgacacata gtgtcaaaga ggtgcagagt 240
gaanacagtg tacttctgtt tgtcattgcc tggacaatca cggaaattat cccgttactc 300
cttttacaca ttcagtctat taaaccatct gccttatatc atcaaattggg ccaagggtaca 360
cactttttca ttcnnggctg gaccccaaag gggagtgcacn gggagaagct cctcacaata 420
tacc 424

<210> 689
<211> 257
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 48, 112, 132, 157, 159, 160, 175, 199, 209, 214
<223> n = A,T,C or G

<400> 689
gggagccaga cacccaanga gaatctactg aaactacagc ttgctaangt tgtcttaaca 60
aaagatagaa gctcaacttg acaagattcg tctggatccc agggtaatgc angacaaacc 120
cacaccattt tncatctgtg cgcacataca agcatgngnn tgagccagta agcancgagg 180
atggtaaagc cagggtgttng acagcaganc gtancatcat tttcttaca taatttattt 240
gtttctagac aagatca 257

<210> 690
<211> 411
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 373
<223> n = A,T,C or G

<400> 690
attcttacta acggattttg ctgcagcgca cttccgaccc aatctagagc atgcagagtt 60
ctaccataaa tatgaccggc ggtggcagga aacatctgtg gtacatgcca gaagaatata 120
tcagacaggg aagactttcc gttaaaactg atgtctacag cttcggaatc gtgatcatgg 180
aggttctaac gggctgcaaa gtgggtgctg atgacccgaa acacgttcag ctgcgggacc 240
tcctcatgga actgatggag aaaagaggcc tagactcctg cctgtccttc ttagacagga 300
agataccacc ctgtcctcgg aacttctctg caaagctctt ctctctggcg ggcccgggtg 360
ggtggcaacc aangccaagt ttaagacca cgaatggacc gaaaggctcct t 411

<210> 691
<211> 657
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 126, 292, 418, 458, 495, 548, 555, 558, 561, 571, 574,
589, 602, 607, 608, 609, 619, 636
<223> n = A,T,C or G

- REPLACEMENT COPY -

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<400> 691
gagctttgag attcttctnc ggggatcggc cataaaaaga cagaataaaa cgcacgggtg 60
ttgggtccgt ttgttcggat cctcgaggcg cgccatttaa atggcgcgcc ggccagcgag 120
gccggnaccc aattcgccct atagggaaaa tgtgaactga tagttaacca agccacagag 180
agctctgtgg ggagagacca ggtgacctca tgatgtccct cagtgtgca ggtctggaga 240
aactgaccac agctcatagg tcaggtgacc aacggaggca ctgactaatc angattgtag 300
tactgtgact gtgggggatca ttaagggtct aggggtgacc cgcaagcctg gagcttaggg 360
gcctagacat ttgccacttt gatacaaagg ggtggtcagc attctgtctg tcctattntt 420
ttccaagccc ccctggtttc cccgtccttg ccgccttnct tttttagggg ccttctctta 480
ccataagcct tgganctggc cttgaacttt ttttttgcca gaacccgggg cttgaccttg 540
ggaagctnac aggcnagntc ntatcttacc ntgnngctgtg tttctgaang ggtttggggt 600
tngcaannnt taccceccang cttccttggc ccccntttt ccattaaaac aaacccc 657

```

```

<210> 692
<211> 141
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 47, 54, 85, 98, 123
<223> n = A,T,C or G

```

```

<400> 692
ggtcctcctc tatggcctgt ccatgagctc ctgccttgac ttccctncat gatngactat 60
aaactgtcag ctttgagtct cgatnaagaa cacagatnaa gatggaacaa ttaccttttc 120
ggnacccggg caccacttgt g 141

```

```

<210> 693
<211> 544
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 47, 54, 128, 275, 305, 307, 383, 408, 431, 435, 447, 451,
460, 470, 478, 491, 494, 511, 519
<223> n = A,T,C or G

```

```

<400> 693
aactgagttg aagcctgaga caagacaatc ccagagagat gaagtgnatg accnaataac 60
acctgctctg tgaggaaatc cactgcacct gagaaacgtt gttgccagtg ttgctgcttg 120
tgatacanat ggaaaggagc ccgggaatcc attggacagg ctcttctccc tggagcagca 180
agcttctatc ttacaaagtg ctgaatacag cttctgataa agaactggaa gctttcaggt 240
tgcttcgagg aaggaaagtc ccgtcaatat tgtanaacac aagaaagaaa tttgggccgt 300
ttcanangtt ggagaatttg atagacgtgc cttttgatcc aatataaaac tgctgttgaa 360
gttgtaactc cattctctgt ccngagaaca gacggaggaa aaaagtcnca gggagaaagt 420
ggctgcttga naaangttca ttcaaancce nggggttgan ccaagaaaan actttaangg 480
gcagcttaaa naanattcgc atcttttttg ntttttggn cttccgaaaa aattgcattg 540
ggct 544

```

```

<210> 694
<211> 265
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 107, 115, 126, 140, 146, 153, 158, 159, 160, 162, 165, 169,
172, 175, 180, 190, 194, 196, 199, 201, 209, 229, 241, 249
<223> n = A,T,C or G

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- REPLACEMENT COPY -

<400> 694
agactgatga atgctgacca gtgagatgcc agcctgcgtg tgaagatcct acagcagaag 60
tgcattggcca gtgacacaag aacttgctgt agatgccagg acttggnagg tgggncttga 120
tccctnaaga ctctgcactn acaccncacg acntaatnnn tnatnactnt gncntccan 180
cccaagcatn tacnanttna ntgcttttnt tagtactggg atgtttgana tggggtctat 240
ntacttgtnt cttgctgtcc ctatc 265

<210> 695
<211> 132
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 29, 39, 63, 67, 101, 103, 116
<223> n = A,T,C or G

<400> 695
tgaggaactc tcaaaggntc ggacaaggna agcatggcct ggttccatat atctactgcc 60
tcnaatngat gaattcgagc tcggtaccgc gggatcgaag ntntatttgg gaagtnccca 120
ttctctagaa ag 132

<210> 696
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 35, 43, 52, 53, 55, 69, 70, 73, 88, 108, 132, 135, 139,
154, 167, 183, 215, 239, 243, 245, 269, 292, 294, 313, 317,
327, 365, 382, 392, 394, 414, 415, 437, 453, 476, 478, 493
<223> n = A,T,C or G

<400> 696
gcctcctgct gctcctatnt gtgggattga tcatnaccta tgngatgctg annanccaaa 60
agataaccnn ganggcttag agaaggtnca gcaaggatga ggctgtangg gccttctcca 120
tatctcctcc anaanaggna ccaaggggtca cagnttacaa gatggtnaag ctggctgcac 180
tgnagccctc tttgggacat ggggctgtat tctnttcatt ttgacaacct ggatccctnt 240
ctntnttggg catcctttta gaagccaana gaaagggtggg ttgtgaagcc tntnactttc 300
cttatgctca gangctnaac attgctngtt ggtcctgtcc atctcacagc taaagctccc 360
tgtcncttcc accgagactc tntctttacc tntntcttct accacttgct taanngattg 420
acatgccttc acctctntgt ccagaactgt acngttacat ggcagctctt ccctananac 480
actttccatc ttnatgaaga cttctggacc cagg 514

<210> 697
<211> 101
<212> DNA
<213> Mus musculus

<400> 697
gaccactaga caggagatgc tgccaagtgc cccagacggg atcaagactc caatgacaac 60
cataagattc cctaaagcta agacactgca aagaaaaaaa a 101

<210> 698
<211> 306
<212> DNA
<213> Mus musculus

<400> 698
agactggcct cttgacttgg atttcccagt cttcacaagc acaagacaaa cacatttctg 60

- REPLACEMENT COPY -

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ttcattataa atcactctgc tccagacatg tggttacact ggaacaagat ggaccaagac 120
aggcaacgtc cttacaagaa cctcaacgtg aagacccatg ctttgctttg ctttgtcttc 180
caagatgatg cttactcagt ggccaatact caacacaggt agaaaccaat aaatcagtga 240
attagcacat ttgtggtaaa caaatgtatc aataaaaatta aatgtatctg tagatgaaaa 300
aaaaaa 306

```

```

<210> 699
<211> 359
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 143, 145, 146, 147, 151, 152, 153, 160, 165, 166, 173, 174,
177, 185, 190, 194, 202, 208, 209, 213, 216, 220, 226, 231,
233, 244, 252, 259, 261, 270, 284, 294, 302, 303, 306
<223> n = A,T,C or G

```

```

<400> 699
ggtcttggtg gataccagtt ctgttttcgag taacactgct aaccctgaga atgagtcaga 60
agagcagtct tcacccccga ggagaaggaa aagacagtgc gccctctca atctgacaga 120
gccgagcctt aaaaggcagg tgngnnnatg nnnttaatgn gcttnngagg acnnttntgc 180
ctggnntagn actngaacac tnccgaannt canggnccgn gatgantctg ntngacagtg 240
ggancctggt cnatattang ncacgatgan ccctttttct gcgnctttct ctantattaa 300
annaantcag ctttcgttta atttctatct tactactgtc attttaaaac ctttaattg 359

```

```

<210> 700
<211> 381
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 240, 241, 246, 249, 257, 271, 272, 276, 293, 294, 320, 324,
326, 333, 340
<223> n = A,T,C or G

```

```

<400> 700
gactgagatt taggaccgat aagcctcaat tggtttgagg agctttcctc agaagcccc 60
ccatacaatt ctgaacctcc ggaggaatct gagtataagc cccacgggta tgaaccacag 120
ctgttttaaaa caccacagag gaatcccccc taccatcagt ttgcttcaac tccaataatg 180
ttcaaagaac gaagtcaaac tctaccactg gaccagtcgc ctttcagaga attaggggaan 240
naggtnggng ggggggnaca tgcctttaat nntagnacta aaaaggcaga ggnnccggtg 300
ggctctctga gttatgaggn cctntngctt tanttatcan ggacgaggac tgccaagagc 360
tgcatactgg agagatgctt t 381

```

```

<210> 701
<211> 274
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 38
<223> n = A,T,C or G

```

```

<400> 701
gactgagggg aggcctcaaa aatgagaaga ttctattntt ggatctgcca gcactggggc 60
tgtctctgca gccctggctc ggaataccca cacctagaat ttccaagagc tggcaggata 120
atgggcgccc aaagctgttc acatctcaag tctccggaac ccaggacctt aggtggtaga 180
ctgcaggatc aatatgagta tcagaggcag cagcaggatg cgatgctctg tgtgagcccc 240

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- REPLACEMENT COPY -

catgacatcg tgagatgccca ggacttggaa ggtg 274

<210> 702

<211> 416

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 226, 227, 234, 250, 253, 256, 269, 270, 279, 288, 291, 292

<223> n = A,T,C or G

<400> 702

actgagattt	gaggagggga	aaatatgatg	gtgtgaagat	cctcttagcc	atcacaaaga	60
tatggcaggc	gtgtgaagga	caattgtgtg	cattcattag	ctgcttccgc	caagcaagaa	120
ttgtcatcaa	aaggaagaaa	ttaccagcgc	tgctacattt	aaactcagcc	tgggccagca	180
gccatgagca	gtggccacag	tgaaccttgg	aggccactag	gcaggngnga	aagnttggag	240
ctacattccn	gcnagncttt	ggatcctggn	ttgggtatnc	ccataatntg	nnttggcaga	300
tagaagcaaa	gctcaacatc	cccaggatgc	ctgcatatct	ggttggaaac	tcaactccac	360
tccatttact	tggtgtactc	ttcagggggtc	gtgagatgcc	atgacttgga	aaggtg	416

<210> 703

<211> 127

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 55, 59, 60, 63, 64, 67, 76, 87, 90

<223> n = A,T,C or G

<400> 703

actgagctgg	gatgaaagca	gctccattag	cagtgggctc	agcgatgcct	ccgtnagann	60
ccnntantag	gagggngatg	ccagctnctn	acccgacgtg	agatgccagg	acttggaagg	120
tgaaaaaa						127

<210> 704

<211> 434

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 73, 375, 387, 409, 417

<223> n = A,T,C or G

<400> 704

agactgagac	cccctgtgat	gcttcctgac	tgatcatggt	ataagtgtgc	ccggaatcca	60
aaggcagcat	atnctgtgga	agaattgtct	tcatcatgga	gagtcaacag	gatgaagctg	120
ttcaaaccaa	aggagcatca	acttctagcg	atgcccaaga	ccaggagct	gaaaagggag	180
ccaagaataa	gacaactgag	gcaacagaag	gaccaacatc	agagcctccc	ttatcaggcc	240
caggtaggct	gaagaaaact	gccatgaaac	tctttggtgg	caagaaggga	atctgtactc	300
tgccatagttt	ctttgggggt	ggccaaacaa	aggttctggg	aaagtcagct	cttagaaaaa	360
gtctaaacaa	gagtnagact	cacgatngtc	taagtgaaac	cgtcttcang	gaccttnaaa	420
attttgtcat	ttga					434

<210> 705

<211> 444

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 78, 90, 107, 114, 122, 130, 133, 157, 169, 250, 265, 302,
324, 351, 372, 396, 402
<223> n = A,T,C or G

<400> 705
agactgagaa agaactctgc aacatgatac ttgattgctg tgcccaacaa aggacctatg 60
aaaaattttt tggcttgnta gctgggcggn tttgtatgct gaaaaangga tacntgggat 120
cntttggaan ganattcaag ggaccaggac caaccnttc ctctggtana gaacaaccaa 180
atggagaaag gtgcttaaaa tggttggctt cccctttatt ccccagaatt cacttcccgt 240
gggagggtggn tcttcgaatg gtatnaaaac tggagtggaa agaagacccc cgaacattcg 300
tntaaatccg aaattttttt gtcnaagaat ctttctttcc aggaacctgg ngtggaaata 360
ccattgggggt cnttccctaa aacctggaat gccganggtt gnaagggatg aaaacttctt 420
ccagcccttt cgtgaggatg ccca                                     444

<210> 706
<211> 264
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 18, 25, 42, 46, 47, 75, 87, 101, 102, 117, 121, 122,
143, 149, 157, 158, 167, 172, 203, 206, 216
<223> n = A,T,C or G

<400> 706
ttcttgtgga actctcnnag gtcangacag gatctgtgta cncaanngat acgaacggga 60
cggcacggac gggantccac aaggtangaa gcctgcgccg nnagatgcca cgacttnaaa 120
nncgggacca gtccgacagt canggccgnc gcccgcnncg acgtaancca cncgcgcaga 180
aacggacgcc gcggtcaaga tgnctntgtc atgccnaacg ggacgcacgg acgcacggac 240
ggacttcaaa aggtaggaag cctg                                     264

<210> 707
<211> 106
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 29, 31, 41, 49, 68
<223> n = A,T,C or G

<400> 707
ctccatcact atacgggaga tgctgncang ngccccagac ngatatcaana ctccaatgac 60
aaccatanga ttccctaaag ctaaagacac tgcttaaaaa ataaaa                                     106

<210> 708
<211> 205
<212> DNA
<213> Mus musculus

<400> 708
aactgagccc ggacttttcgc gacgccttcc gtctgtttct gtgtatgcta cgggtggccgt 60
ggaccggagg agccacgcgc agtcaccttc ccagccagcc ctgttgaagc caggcagagt 120
ccaccgctca acaggtttga tggctatgaa ggtgcgcgctc cgtttcccac gtgaagggcc 180
gtgagatgcc aggacttgga ggtgg                                     205

<210> 709
<211> 188

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<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 36, 37, 47, 48, 63, 74, 75, 80, 103, 119, 135, 148
<223> n = A,T,C or G

<400> 709
ttaacacact gagggctctga catggctcac cngacnncta gtgcagnngt tgctcctggg 60
ganctggatg gtcnnactgn gctcaaattcc agacctactc ggnccacgga ctgaacttnt 120
caatgtctgc gtganatgcc agggactnng aaggtgggac aacgtgagat gccaggactt 180
ggaaggtg 188

<210> 710
<211> 242
<212> DNA
<213> Mus musculus

<400> 710
actgaggtgg ggtcttttcag agtcttcctg tccaagacca gtgactgcct gcttccaatc 60
tgtgggtcccc gggacagctg agcttgctcc ggcagcagag agactctgga gggcttgctg 120
ggaagtccgg cccgctcggc tatgattgac ggcagcggct tccaatcgag aagcttctcc 180
acttctgtt tccaggagca gggaaaagcg ccagaagtcg gagatgccag gacttggagg 240
tg 242

<210> 711
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 47, 55, 68, 85, 108, 118, 121, 128, 135, 139, 149, 171, 174,
176, 178, 179, 181, 183, 187, 188, 189, 196, 205, 218, 224,
226, 282
<223> n = A,T,C or G

<400> 711
cctaccctga ctgaggtatc cccaggcatc atctattgac ggagcngac gatcnacacg 60
cttaactntg aaccaggata cattnatgct aggctaccac atgtcggngg gaagggcnat 120
ngaggacncc atgtnacant cctcgagang gcggctccca ggacgccggg ngangncnng 180
ncntcannna caccantagc agcantggca gtggccanaa ggcngnagga acagacaaaa 240
gtaccgcggt ggccgccacc acggcgccga cctacgtggc anacgatgcc ccacccctg 300
agcgtcgtga ga 312

<210> 712
<211> 408
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 24, 30, 53, 76, 92, 93, 95, 97, 100, 113, 114, 119, 124,
138, 149, 152, 153, 158, 159, 160, 162, 165, 166, 174, 220,
360
<223> n = A,T,C or G

<400> 712
agtccggcaa cagctanctg aganacctgn ataaaagggt ctaattacta canatgaaag 60
aggaagatga cggacnatga tgactttaat gnnancnancn aggaggattg atnnctcanc 120

- REPLACEMENT COPY -

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ccgnacaccc ctctcccntt cgaatcagnt tnnggaannn cncnntaga gganagaaac 180
ttaaaggggg gctttctgtt ctttttggcc tactcccaan aagatacccg cgagttcttg 240
agttagatgt gcagctccaa gtgaggagga gtgtgcgcag tttgagccta gctgcggatg 300
tgttgtgaag ccagcgtgct aatgcagagc ctctatctac cttttaggat tttatgggtn 360
ctctcttttc tctctttttt ttccttttct ttcttttttg aatttgaa 408

```

<210> 713
 <211> 295
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 73, 102, 112, 121, 151, 153, 173, 196, 205, 211, 249,
 260, 268
 <223> n = A,T,C or G

```

<400> 713
tgaggtgggg tctttcacn cgaccgtgtc tggaccaggt cttcgagatt cccatgtctt 60
cattggtggc tanatgaact acatgcagtt tatgcgcttt gncagtgatg gnactactca 120
naggatccag gcgcgagggc cctgggtgaa ncngatgggg cctgtgtatt tgnagatgga 180
aagaaggaaa acggtgagct attcncacag ngcccagataa aacctgcgat tcgcaatcca 240
ggtctacanc cagagcgacn aggtttgnaa catgggggcca gaccgaccgc ctcct 295

```

<210> 714
 <211> 282
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 43, 78, 96, 124, 129, 135, 143, 147, 182, 214, 216, 224,
 264, 266
 <223> n = A,T,C or G

```

<400> 714
tggggggcaca aatgcacatt ggtgggaaag gaacccgggt gtngaaagaa ttatggttca 60
tggaacact cacagcanac cgataaaaaa ctgccnttct ccttaaagaa attaggggta 120
aacnacatnt ccgnggtttg aanaggngaa caccgtttac aaaaccaagg aacaagtgat 180
cnatgttaac accaccatca aggtttttt tggnangcaa actntttttc caaggccacg 240
ttttggagtc caaaaggcaa gccncncaag acctttctgt tg 282

```

<210> 715
 <211> 304
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 41, 48, 49, 54, 59, 83, 84, 85, 90, 95, 100, 102, 113, 117,
 122, 132, 135, 147, 150, 171, 191, 200, 207, 223, 245, 246,
 276
 <223> n = A,T,C or G

```

<400> 715
ggacggagca ccgtgacacc ggggcagatc ctacagacag nctgtgannt cccnaggtnt 60
ggacttttga tcataagcac atnnngaggn ataantgccn tnctgtggaa cangccncaa 120
anccaatcat gntgngactg gttgttnccn agacagtgga accactactg naccacacct 180
gcacatcctg nctgctcagn aggtcanttt catagcctgc tanggtctac ccgtagagat 240
gccannactt ggaaggtggc ttcaacaaac ttctangaca gttcactttg attggaattt 300
cccc 304

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<210> 716
 <211> 456
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 121, 124, 135, 370, 371, 386, 389
 <223> n = A,T,C or G

<400> 716
 ctgaggcctc cccagcccag ctgccctgcc ttcactcactg tcaagctgag ccctttgcga 60
 gatcgactcg tgggtgactga gtgccagctg acccactcac acccagcctg cccacgtgag 120
 ntcncctacc acttncgccc aggccacttg ctggccaatt cctgcctgcc agtccgcac 180
 accaaccaga tctccaaaca gtttgtggcc cctgctgatg tgcgccgcct gctgacccat 240
 tgcaagggcc cagaccatgg ggtcctagat gccctgcaag tgcttgaggg gctcttccgc 300
 acagatccgg aggccaaagta ccgggacttg ctggttgccat tttaaagatg aaatggagat 360
 gagggcagcn nccaaaagcc ccttanccng aaagaagact gagaggaatg aacagtcagt 420
 tcctacaaga agaaaccggc aggaatggag gttgtt 456

<210> 717
 <211> 126
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 31
 <223> n = A,T,C or G

<400> 717
 gggtccgttg acacactgag aacttcctgg ngaaactagt gagccaagct gggacagggt 60
 tctccttcaa ccacaagaga agccgactcc gagagaagct gagccttctg cactatgatc 120
 caatag 126

<210> 718
 <211> 189
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 127, 136, 139, 150
 <223> n = A,T,C or G

<400> 718
 ggcaaacata gtcgccatta tgattagcta cccaaaagga cgggaaattt ttgatctggt 60
 gcaaaaagga attccagtaa aaatgcggat agagattggg actctgtcat atgcaggagt 120
 tcatcancgg tcagtntgng gtgcttgagn cccccgcct ttatcaccat tgatgaccat 180
 tttctttac 189

<210> 719
 <211> 312
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 178
 <223> n = A,T,C or G

- REPLACEMENT COPY -

```
<400> 719
cactgagtgt gtaaagtgaa caatggccag taatcacaaa tcttcagccc ctcgccctat 60
ttctcgggggt ggaataggac taacaggaag gcctccttct ggaataagac ctccatctgg 120
caatgttcga gtggcaactg caatgccacc aacaacagca agaccagggt ctcgtggngg 180
tcccttaggg actggtggag ttttgtcatc tcaaatacaa gttgctgac gtcctgtgac 240
ccaacaagggt ttgagtggaa tgaagactgg catgaaagggt cccagaggc ccgtgagatg 300
ccaggacttg ga 312
```

```
<210> 720
<211> 428
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 22, 26, 36, 42, 46, 50, 63, 77, 98, 101, 105, 116, 119, 120,
121, 141, 190, 196, 210, 239, 257, 267, 272, 278, 288, 289,
292, 297, 301, 316, 319, 369, 373, 385
<223> n = A,T,C or G
```

```
<400> 720
caactgagat atgcttttgt gnttanggaa tttgangggg antgcnctgn atcacttttg 60
gtnatatcat cactggncctg gtttgaccca ctggctgnca ngatnctggt acctgntggn 120
nggccctgga gctatttggg ngactacacc ctatcctgca cataatcacc tgccgctggt 180
tccagactcn aagttncaag atgccttccn ggctaaaacc cggacatgtg agccactgnc 240
aggccccaac aattacncag aaccatngtg gnacctngga aaggcatnng anatttntaa 300
naagcactgg tggatnggng ctccatggaa gaagaaaaga attaaagaaa acccgactg 360
gagaaaatnc tgnaaccctt gcaanagagg ccccgagct ttttccagag actatgccct 420
atcctgca 428
```

```
<210> 721
<211> 136
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 42, 48, 52, 108, 111
<223> n = A,T,C or G
```

```
<400> 721
cagaggtgcg aggggggaccc attttatgaa gttctgggta angtgtcncc tnggaagacg 60
tgactgacag aaaacatcaa atctgaaatt cttggatgag acagaccngt ncaccgataa 120
cagaacaaaa aagaaa 136
```

```
<210> 722
<211> 213
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 77, 116, 164
<223> n = A,T,C or G
```

```
<400> 722
cctgctgcca aggctaatag tgatacccag actccaagtc acttcaaagt caccacccc 60
agactcaggg atcatgntga agaagaagtc ctccaaaaag aagggttca aatttntgca 120
ggagaagatg tttgaagttt cagcatgtca tcaggaatca gttnttgcag cagataagcc 180
agcagatgca gtgcgtcccg ccgtgagatg cca 213
```

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<210> 723
 <211> 424
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 380, 389, 402
 <223> n = A,T,C or G

<400> 723
 gaggtgcccc gatcattgat ttgatgatgc tcgtgattga tgtgaccaag ggaatgcaga 60
 cacagtccgc agagtgcctt gtgattggcc agatcgcctg ccagaagctg gttgtggtgc 120
 tgaacaaaat agacctgtta gcagaaggga agagacaggc agcgattgac aaaatgacca 180
 agaaaatgca gaagactctt gagaacacca aattccgggg tgcaccgatt attcccgtgg 240
 cagccaaacc tgggggacca gaagcccctg aaactgaagc tccacagggc atctcagaac 300
 tcattgagct cctgaagtcc cagattttcca tccaacgag agaccctct ggaccattcc 360
 ttatgtctgt ggaccactgn ttctccatna aggggtcaag gnccccgggg tgaatgggac 420
 tttc 424

<210> 724
 <211> 180
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 48, 49, 52, 55, 57, 59, 62, 64, 65, 104, 113, 164
 <223> n = A,T,C or G

<400> 724
 tgcgtcaggc ctagcatact gaagggcaca ccctgcacct tacgccanna tnccngntnt 60
 antnnctgt accgagttgg agtcatcaaa acctattctg aagngaggga gtngagacgt 120
 tctcctaggt taagggctgg ctccatggcc tcctcagggg attntgttcc caagtgggtcc 180

<210> 725
 <211> 125
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 19, 22, 43, 64, 67, 69, 70, 99
 <223> n = A,T,C or G

<400> 725
 cccacggttc ggggggggna anaggggaaga ggggagcgaa agncaaacaat tctcaaactc 60
 cgngantnn caaaccacag agctgcctgc agaaaatgna gagacggaaa accataggtcc 120
 accct 125

<210> 726
 <211> 118
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 29, 48
 <223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 726
actgggtgat gaagcttcag actgagncng gagatgctgc caagtgcnc cc agacgggatc 60
aagactccaa tgacaaccat aagattccct aaagctaaga cactgcataa aaaaaaaa 118

<210> 727
<211> 105
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 36, 37, 46, 47, 49, 65, 69, 84
<223> n = A,T,C or G

<400> 727
tttgttgaag acgcttngat accggacggg ccagcnnaca agcgcnnng gcgggatcaa 60
gacancaang acaaccataa gatnccctaa agctaacaca ctgca 105

<210> 728
<211> 408
<212> DNA
<213> Mus musculus

<400> 728
agactgaggt gtccccact aatagatggt actttacaca tgctcaatgg gtacctcctt 60
gcctctaaag cttaccttag tgcccatcta aaggaaacgg cagagcaaga tagaccttcc 120
ccgaataata cagtaggctt ggttggacag actgatgccc cagaagtgc cagagaagaa 180
ctgaaaaacg cattactggc tgctcaggac agtgctgctg tccagattct cttagaaatt 240
tgcttgcccta ctgaagagga aaaggcaaaa ggtgcccaatt cagacatctc cctcaggaat 300
actcaaggtg tcaccaccat cagcactcca agtaaagaaa cagaagaagg agaagacaat 360
ttgctctgta accttcggga agttcaagtg cttatctgt tgcttggg 408

<210> 729
<211> 207
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 45, 47, 50, 62, 70, 76, 112, 113, 118, 130, 132, 152,
156, 161, 181, 186, 191
<223> n = A,T,C or G

<400> 729
agaggactac ataccggtga agcggncctg gcgggaggac actcnentgn tgccatcacc 60
cnatcagctn cacatnaaca taaccgcac tggaagagg gagcctgccc cnntcctntc 120
atacaatatn gngacactga ctaatagtga cnactnaact ntgcgtggga tagcgtctg 180
ncttngttt ntattgaaga ttcaaaa 207

<210> 730
<211> 123
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 103, 107
<223> n = A,T,C or G

<400> 730
agactgaggt gatgaagtct cgatcactag acgggagatg ctgccaaagtg cccagacgg 60

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gatcaagact ccaatggcaa ccataagatt cccttaaggt tangaanctt gcaaaaaaaaa 120
aaa 123

<210> 731
<211> 413
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 32, 35, 36, 45, 64, 72, 77, 79, 93, 94, 99, 100, 105,
106, 108, 111, 120, 126, 127, 129, 134, 143, 155, 157, 166,
167, 169, 171, 172, 173, 199, 203, 263, 283, 327
<223> n = A,T,C or G

<400> 731
aaaggctgaa gcataaggat ctnaagttcc ancennattc cttanggagc atttgccctcc 60
atanaataag tntacctna ccgtgagatg ccnngactnn ggagnngntg ntggaatgcn 120
gcttttngna ctgnatctct gcnattgctg atatngnctg aacggnttna nnncaagatg 180
ccatggaatc acggaattng ctntgataca cctctccac aaaggtgcac atccatgaaa 240
tctctccatt ataagctgcc tancgtgtgac ctggctcatg acnccagtcg ccatgttaac 300
acggatgagg gaaagccagg gaggctncac cccacactgc agccaactaa gaaatgctgg 360
gattgggaaa aattgtcttc ccctaggaag aacactgcaa gttgttatcc cat 413

<210> 732
<211> 307
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 49, 88, 89, 121, 136, 146, 164, 166, 179, 212, 214, 218,
225, 227, 262, 264, 265, 266, 269, 270, 282, 284
<223> n = A,T,C or G

<400> 732
agggtgtttt ggaggagtag ttgtggttat naagggatcc cacatgctna agaatgccct 60
caaaggagat gagaaatctg ggatgccnng ggttccgaga tttctggaca gcttgggatt 120
ntctgccgac aggaangggg gacctnggcc cagttatggt tccnantgga ggctttttna 180
gctgagtaca aagatatgga ttcaggcttt angnctanca agttngntca gtgtaaggcc 240
tttccctttt ttttactctg tngnnncann ggggaagaaa anancttatt ttatgactgg 300
cattttt 307

<210> 733
<211> 185
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 88, 113, 114, 125, 130, 135, 140, 141, 143, 148, 159, 169
<223> n = A,T,C or G

<400> 733
taaccagcta taccagacag aagcgaagca agagtccttc tgaggactgt gatctagaga 60
agagagagcc agcgctcagg gtccttgnga agaagaaccc acgccattca cannggggag 120
aattngaach tttcntaagn ntncaggngg taaagcgcnt ctggaattnt ggggtcccag 180
aacct 185

<210> 734
<211> 102

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<212> DNA
<213> Mus musculus

<400> 734
gtgagggttg aagacgagca acggatcaaa gaagggagag aaatgaagaa aatcagacgg 60
cactccactt acaggatcta taagccgtgt ttcctgaaaa ga                102

<210> 735
<211> 224
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 23, 24, 54, 62, 102, 109, 189, 194
<223> n = A,T,C or G

<400> 735
ctgaaacctg tttgctcang ttnnacgtat cagagagctt ggagcggagc ttgncgcccc 60
ancgacctgc cactcccact gcctgccttc tagctgttcc anagccatna cagtggacac 120
ctgcatcttt actccaagat gatttggcgg gaatcgggtc ccttcccctg cttcataact 180
gaatgtcgna atantaaaat tgaaccttga gcagaaaaaa aaaa                224

<210> 736
<211> 163
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 34
<223> n = A,T,C or G

<400> 736
gaaattcgat tccgagtctt tggaggctct gaanggacta agacttcttc ggaaacaaga 60
agtccgtctc agatgaatgt ggagcattgc aaatacacca ggagccccca aatgaggaga 120
aaacacaagg ggtcctgttg gaaaggagta aggagcccaa gaa                163

<210> 737
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 139, 142, 144, 146, 148, 151, 157, 159, 162, 173, 176, 190,
201, 205, 216, 222, 223, 225, 240, 243
<223> n = A,T,C or G

<400> 737
ctgagatggg ccaagcctga cattccatga tctgggatcc cgacctatgt gtccaggctg 60
ctgcttgata gcggatgatc taaaccacca ggcagtcctg ggccaggaga ggcggactct 120
ctgcctggat gtgtggganc tnantncnaa nttgatngnc cnatctgggg ggnatncacc 180
cccaccccan aaagaaagca naatntgttt tgtggntggg gnntnaggcg ccaccccctn 240
aancatggcc acccctgtgg tcaccaagac                270

<210> 738
<211> 103
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> 26
<223> n = A,T,C or G

<400> 738
tctcgtctcct agacgggaga tgctgncaag tgccccagac gggatcaaga ctccaatgac 60
aaccataaga ttccctaaag ctaagacact gcaaaaaaaaa aaa 103

<210> 739
<211> 103
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 31, 69, 83
<223> n = A,T,C or G

<400> 739
ctcgtccttg actggagang ctggctagtg ncccagacgg ggttaagact ccaatgacaa 60
ccataagant ccctaaagct aanacactgc gagaaaaaaaa aaa 103

<210> 740
<211> 134
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 39, 42, 50, 59, 70, 71, 98, 114
<223> n = A,T,C or G

<400> 740
agaacgaggg gatcaaacag tgctcattct tcatngcang gngttgcacn gaaggtttnc 60
ggaattgaan nacgattatt ttgccctcct ccttgtgngt ttcttatggg ccgngggggtg 120
gggaaaaaaaa aaaa 134

<210> 741
<211> 233
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 33, 71, 80, 115, 125, 162, 168, 201, 203, 210, 213
<223> n = A,T,C or G

<400> 741
gggtctgggtt agtctcagct gactgacctt ggnaatgggc taggaacgga acagccaagc 60
accgggggcat ngtcttgctn gtcttcacgg gcaagccctg ttgcatctgg gcagnggctc 120
tagcntctct ccaaacaatg gactgcttgc ccacccaag tngctggngg ggaattgtct 180
ataagcccaa cgttttctgt nanaagccan gtngggccat cctgggtttt ggt 233

<210> 742
<211> 510
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

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- REPLACEMENT COPY -

<222> 43, 53, 429, 432, 440, 442, 448, 475, 482

<223> n = A,T,C or G

<400> 742

```

agactgagag ttcttccttc tgagattcat gataagcagg ctncaggctc cgncaactca 60
gttctctaca caactcccct tcaccaaaaa acagcccagc aggcagcgcc tggcagcacc 120
atgctttata acgtcagcaa aggtgtgggc tattcagata cagccctgca ggggcaggac 180
ggggacaggg aaggaatgtg ggtaggagct gggggagccc tagcccccaa tacctcctcc 240
ctatttcccc ctgagcctcc aggggcctcg agcaacatca ttctgtgcta ctgtgctctc 300
ctagctacag tgatccttgg tctgctggcc tatgtggcct tcaaagtctg gcgctcacat 360
aagcaaaggc aacaagttgg ctaaagctcg gactgtaaag ctaggggacc ctgacaggga 420
cccaaaagn gnggggaacn gnaacgtntt cggggactct cctcctaatac tgganccctg 480
tnttcccagc cagggaccac acccggacct                                     510

```

<210> 743

<211> 131

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 55, 86, 87, 91, 96, 97, 101, 102, 103, 104, 110, 111

<223> n = A,T,C or G

<400> 743

```

tgatgcgatt gactaaacct actttgttca ccaatattcc tgtaaccgtg agatnccagg 60
acttgggaagg tgggcccctt tctcannaac ntctannttt nnnntttttn nttatattcc 120
cccccttact t                                     131

```

<210> 744

<211> 103

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 63

<223> n = A,T,C or G

<400> 744

```

agatgaagga tgaaaaagaa aagngctcca tccacacgtg ctgtcctcag gcctagccac 60
ctncttctac aagcatcatg cagattgctc tctgtgggca tcg                                     103

```

<210> 745

<211> 117

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 37, 54, 60, 70, 76, 99

<223> n = A,T,C or G

<400> 745

```

aggctcttcc caaactccac tgcaccctac ctgctgntcc aaactggaag ctgnttatgn 60
ctttactcan gtgganttaa ggggaatgct ttactatgnc atgctgactg tccaaca      117

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<210> 746

<211> 138

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 96
<223> n = A,T,C or G

<400> 746
gaacatgccg cccactgaa gacctcatca gtgtggcatc tatgaggcgt gctttttttt 60
cctggcgcac tgacttgcca gctgtccaga gcctgngctg cctgcagcac ctgtgggtccc 120
tacagaaagg gagccacc                                     138

<210> 747
<211> 414
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 38, 61, 193, 195, 200, 207, 208, 218, 227, 233, 240,
279, 288, 300, 310, 331
<223> n = A,T,C or G

<400> 747
actgagtcct gtcttctgaa cgtcgttctn aaagattngg aacacctctg tctgccagca 60
nagttgtgcc tgagggcagg gctgcagggg accttctgag acagaagatg ccactgaaga 120
agccggaccc tcagagcagc aagagtgcgc atgttgatcg gacgttttca gatggtcttg 180
aaagcagggtg ccncnttgan gacaccnct gtcctggnga gcttgantca agngacatan 240
agcatgatgt aaataaaata aatgtataga tggattgtnt gtctgttnaa acaaattacn 300
tgttcctgtn ggtgatgcta ataccaatca naaagaagca atctcagccg tggaaggagc 360
gagcctgcag tcaccttcca ggatttgctg atgaacaacc ctgagacaaa tcct      414

<210> 748
<211> 255
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 44, 50, 62, 64, 67, 97, 103, 104, 115, 123, 139, 140,
164, 195, 200, 208, 215, 219
<223> n = A,T,C or G

<400> 748
catgcacatt tgctaccang agaaccacta catgcactca cgcnccttgn cctatcacag 60
gntnggncct acacggagtc cctggataac tttctangaa ttnncacact tctgnaaaag 120
cancttcccc cacatctcnn tctcttggcc taaaacttaa caangtttcc cctaaacact 180
tcttgagact tgcangacan aaaaggngt gtganaggna aagacctgtc ttgtgtggac 240
ctaataccct gacct                                     255

<210> 749
<211> 111
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 80
<223> n = A,T,C or G

<400> 749
aactgagag ggagaagagg catcaggagn gacggagggc accagctcac cccacaccct 60
ttttttgtca ttgttgcttn tttttctaataaaggtggaa aatagaaaaa a      111

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- REPLACEMENT COPY -

<210> 750
 <211> 106
 <212> DNA
 <213> Mus musculus

<400> 750
 gagactgggt atctcatcat tcaagctgac cccaaactcg ctcactatat atggagacca 60
 tgacctgata ctccagcccc cagtcccggg gtgcgggagat tacagg 106

<210> 751
 <211> 172
 <212> DNA
 <213> Mus musculus

<400> 751
 gactgggtcc cagagtagca agaagcatac tggatgatcat agtgaaagcc atgtattgaa 60
 tccccggcca cttgtcgtaa gtgcttctgt ttctcccgag gaaagccagt aatgggtcatc 120
 aagaccaga aagcagacct gggcccacaa ctcccagaga agaagaaaaa aa 172

<210> 752
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 29, 53, 59, 73
 <223> n = A,T,C or G

<400> 752
 ccattaactt tctattgnga aagctttgng gggaaaaaac attcgtttga ctnaatatna 60
 gagctaaata aanccttgga tagcacaaac cagaaaaaaa aaa 103

<210> 753
 <211> 143
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 19, 38, 39, 42, 46, 56, 59, 61, 93, 127
 <223> n = A,T,C or G

<400> 753
 actgttttgg agttgncant accatgaaat gaccacnng ancagnacca gcagtngant 60
 nctggcagat ggagcctaaa agacgaggcc aangcatctc aaggaggtga acttgtacaa 120
 aacgaangct ccaaaaaaaaa aaa 143

<210> 754
 <211> 212
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 35, 44, 153
 <223> n = A,T,C or G

<400> 754
 tacttcttgt ggaactctca ttaggtgang aacanactca tganagccgt ccgtcccttt 60
 ccacgggaca gtaaccacgc tggcagcccc gcatgtcccc gaggcctcag aactgctctc 120

- REPLACEMENT COPY -

tgaaaataga catggtgtgg gggctcccca canaaaggaa tgctgtactg actggataga 180
aggagaataa aaatatactt gaaaaaaaaa aa 212

<210> 755
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 65, 299
<223> n = A,T,C or G

<400> 755
cagaactgag acttggtctt ttgagacctc gcatcgaaga tggctcaggc accaacagtt 60
atcgngactc aacctggatt cgttcgtgct ccccaaaatt ccaactggca gaccagcctg 120
tgtgattgct tcagtgactg cggagtctgc ctctgtggga ccttttgttt cacttgtctt 180
ggatgtcaag tggcagctga catgaatgag tgttgtctgt gtggaacaac ggtggccatg 240
aggactctct accgaaccgc atacggcatt cctggatcta tttgtgatga ctacatggnc 300
acactcttct gtctgttttg ctctgtgtgc caactcaaga gagacattaa caggaggaga 360
gccatgaacg ctttctaagg agctggatgg caagaactct ggctgaaaaa actcaact 418

<210> 756
<211> 218
<212> DNA
<213> Mus musculus

<400> 756
ctgagaactc caagatggga ggcaagctga gcaagaagaa gaaggagagg agtactaacg 60
tccattcctt gagccccctg tgtcgtcaaa ctgctccagt attagttagc ggcactgatg 120
cttctgtgct gtttccattc tgtgatcatg tcttctccat gttgtacctc ttaagttttc 180
catgatgtct caaagtaaaa gctttaagaa aagaaaaa 218

<210> 757
<211> 106
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 18, 20
<223> n = A,T,C or G

<400> 757
gtttcgtatca ctagangnan aatgctgcca agtgccccag acgggatcaa gactccaatg 60
acaaccataa gatccccctaa agctaaggca ctgcagaaaa aaaaaa 106

<210> 758
<211> 107
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 24, 55, 65
<223> n = A,T,C or G

<400> 758
gataggaccg aaaaggacca antngaggca tactgaatgc ttttctggag cggcngggat 60
ccacnggcgg ctgatccccg cgaggcttgt gggatcccct cgctgag 107

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<210> 759
<211> 111
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 36, 38, 40, 55, 70, 71
<223> n = A,T,C or G

<400> 759
taccacgccc acgtgctgna acctgaggag ccacanangn gcacctttat actgnaccag 60
agataataan ngcagggaag gggggggcccc tcccccttca cttcatagct a 111

<210> 760
<211> 171
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 34, 110, 132, 147
<223> n = A,T,C or G

<400> 760
tgagcagaga cagcaagatg gctcatgctg gcanaggcac ctgcccccaa ctctgacacc 60
tgaggtcatt ccacaggact cacagcgtga aggagagaga caactccagn aagctgtcct 120
ctgacctaca gnacgtacac cttcctntca ataaacacat accccccccc c 171

<210> 761
<211> 104
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 19, 32, 44, 48, 58, 69, 82
<223> n = A,T,C or G

<400> 761
ctgatagctg gagcaananc atggcgagta tnggtgacag gacngganct cctatcanta 60
aaaggctgna aatactggga tnggggggacc caaccacagg atgg 104

<210> 762
<211> 122
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 41, 54, 72, 75, 94
<223> n = A,T,C or G

<400> 762
accagtagc ctagtaggct ttccaccaat gggaggaggt ngcttaccba ccancaccaa 60
tcggtgggta tncangaagc tggaggctac ccncaccta ggatagtttt tccaaccct 120
gg 122

<210> 763
<211> 224
<212> DNA

```

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 35, 66, 75, 78, 116, 136, 154, 159, 160, 165, 168, 171, 175, 178, 181, 182, 183, 186, 190, 195, 196, 205

<223> n = A,T,C or G

<400> 763

```
catatatggc ctgtttttatt ttacccgtgt acgcnggacc acaacctcac aggcattgaa 60
gaccangtac ttttngtnac ccgccccggg ccaacacctg gatgccagct tccgcnacca 120
aactgtcggg ggaggnattt taggaaccgg ccgnattcnn cccgnggnac naagnggnaa 180
nnnccnaagn ctttnnaacc aaggnatttt ggcccaaaaa ctta 224
```

<210> 764

<211> 213

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 46, 50, 55, 56, 65, 67, 70, 79, 115, 135, 144, 173

<223> n = A,T,C or G

<400> 764

```
gcttctatga ggatgaacat ctagactgtg ganggttgca aaactngaan cttgnntctc 60
aatcncnatn ttgcaacang actgaaacat gtgtgacttg ttcacttggt ggcanctgac 120
cagatacccc caggnagcct gctncctaca attcccaatg aatttacaac ttntctaccc 180
catagacgtg gggactgtga tctcttgaac ttt 213
```

<210> 765

<211> 230

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 32, 40, 42, 49, 50, 57, 58, 94, 102

<223> n = A,T,C or G

<400> 765

```
tgagttcaat tccccacnc acatgagaaa anagaacttn tnccgctann gctttgnnaa 60
aacctttact ggctgcttgg aaaatgaaga tgcngactcc anattggcga tttatatatt 120
cttcatgcaa gggcagcata ctaaaagaga gaaggagctg cgctgaccag tgactgaaag 180
ctgtaagcac tggaacatat ttgcagaaga caggatttct aaggtgagat 230
```

<210> 766

<211> 239

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 42, 51, 53, 222

<223> n = A,T,C or G

<400> 766

```
ccatctctac caaactgaac ttgctggtgt atctgagagg tntctgagag ngnatggagc 60
tgccgctgcc tgctaacttg tgaaatgaac tgctgatttc cagacaacac agacagaagt 120
tcctccaaag aacctttgta aataggtcca cttccctgt atccttttctt ttatactacc 180
gctgggtgggt agtgggttac aaggaagggt aaagtgttta anacccatca ttaaaaata 239
```

- REPLACEMENT COPY -

<210> 767
 <211> 361
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 45, 52, 53, 63, 83, 93, 95, 104, 107, 109, 144, 151,
 166, 184, 190, 198, 202, 223, 248, 310, 315
 <223> n = A,T,C or G

<400> 767
 aacactggaa cagacctgaa gctnaacgcg atggcccaca cttgncattc tnntcagatg 60
 tanttgggaa accaaccagg acntgagcct tanangcaac gtcnggntnc acagcacctt 120
 ctaatacagg ctgagctaaa gganaccttg nttaacaaat tggacngata gcccaaggaa 180
 ggcncgtatn aagcgacngc angcgctcgc tcggctcaca aangcacaat tgccccggaa 240
 aggagganga agaagatcct cttgctgaag aaaaaccgac tagaagaaga aaggttgtta 300
 taaggaagan aggcnaaga ctccatgaaa aaatgggtac ctgagggaag aaaaggcccc 360
 c 361

<210> 768
 <211> 209
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 40, 75, 114, 155, 165
 <223> n = A,T,C or G

<400> 768
 tgaggtcctt cttaggatct ctgtggaaga gtgaagctan gccggatccc tcctgtggac 60
 ctgcccgcgg ttganctggc tgtccagagc aaccattatt gccatgccca gaangattct 120
 ggaagtcacc ctgacccccga gaagcagagg gcccnacgca aactntatgt ggcctctgcc 180
 atctgcctgg tgttcatgat tggcgaaat 209

<210> 769
 <211> 212
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 21, 44, 45, 54, 105, 121, 126, 148, 150, 159, 163, 164,
 174
 <223> n = A,T,C or G

<400> 769
 cttctgtggt ctagcatnga ngattggaat ctatgcatac gcannaatga cttnttcttg 60
 tcacacccac agagcccga cagagaaagc cgaaccgaaa tccnccgagg aacctcccgg 120
 nggcnnaaag gagggggtgg ggggtggtngn acctacaant tttnatggtg gacntacaga 180
 attgactgtc acattgtcct ctgaccttca ta 212

<210> 770
 <211> 347
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 59

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 770

```
gagtgggtgtg catttttactg agtctctcag gagctggaac ccagaaggca gagattaana 60
actgtgccaa gtgggtgccct atcaactcaa aatgtgtcag taacagaagc tgtgtctgca 120
agcccggtt cagctcggag aaggaattga tcactaacc tgcagagagc tgtgaagaca 180
tcaacgagtg ttactacct ggattttcct gtggagactt tgccatgtgt aagaactcag 240
aggggagtta tacctgcgtc tgtaacctgg gatataagct cctttctggt gcagaatctt 300
ttgttaacga gagtgagaat acatgtcaag gtaagagccc cccctg 347
```

<210> 771

<211> 438

<212> DNA

<213> Mus musculus

<400> 771

```
gagaccaagc ccaaatacaaa gggaaaatcc accctggaga aatttttgtg aatctgctca 60
agccctgagg ggaagaacag aaaggaaaga gaaaaagggc ttacaaccta agccttgatc 120
ccagaacaaa ggccagccgg catcctttca ggcctgcacc tggccaggca gcggagcacc 180
gggtctctt cccagactt ctgcctttca tcaccatcat ctgatcagcg tgtcagcctg 240
cccacctgtc cagagcctgt gcacaccacc tttctgcctg actgaagggtg acttggccca 300
ggctctgtga actgactaat actgctataa agcatgcatt gctcttggtt acctttaaaa 360
gaactctagg tggctctacag tgaaatcaag tgaggaacaa aaggcaggcc cgggaaagca 420
atcaagggtg tcgtccct 438
```

<210> 772

<211> 108

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 35, 36, 40, 43, 51, 53, 63, 66, 70

<223> n = A,T,C or G

<400> 772

```
gactgagctg tttagtga aaataagtg tgccnnaggn acnaagcttg ntnaaagaat 60
ttntgnacan gggaaagaat aaaatgaatg aactctgaaa aaaaaaaa 108
```

<210> 773

<211> 320

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 87, 92, 99, 107, 120, 122, 128, 141, 143, 154, 172, 173, 177, 180, 187, 203, 209, 229, 230, 251, 288

<223> n = A,T,C or G

<400> 773

```
aaacaatgaa tagctctttt ntgaaggccc gaggacaaca ggatgttctt tcctcacctt 60
tggaacgggt gccccagca tcccgnccg gnaaggctnc acttggnact cctaaaaccn 120
cngtcctnga agactttcct nancaatgac gatnaaaagg agcgatgca anngganacn 180
gctccanggc tcttttgacc tgnagtctna tgtacagatt cgattcatnn tggcctcccc 240
taacaggaat nttgatgctt caactacat atctaacgtt taciaacnca ccagtattac 300
aggaacatta ctctacctgt 320
```

<210> 774

<211> 397

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 19, 25, 47, 68, 70, 116, 124, 126, 135, 146, 147, 149,
150, 153, 155, 156, 157, 158, 159, 163, 164, 166, 168, 182,
184, 192, 209, 228, 255, 261, 275, 282, 325, 332, 335, 340,
368

<223> n = A,T,C or G

<400> 774

taaccctgag	aacatgcnn	actgnaac	tactatgc	gccggana	taccaggat	60
acgcactntn	tctatcat	gtctctct	gtctcccag	ttcttacat	gctcgnng	120
gganantggg	aagantggg	gctacnnc	ggntnnnn	gannangnc	caaacaat	180
gncncatgga	cntattac	cactggcg	tgaaagcg	cccaccgn	gcctgtgg	240
tggtctcata	gctgngtg	ncaggcct	cgganccat	antataga	ttgcaatg	300
aaagacgtcg	tctctctg	tgccnggg	anaantcac	gggcccgc	ctgcatcct	360
ttattttcna	ctagccat	aaacttttt	acattca			397

<210> 775

<211> 311

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 41, 79, 86, 107, 121, 123, 124, 147, 153, 162, 171, 185,
198, 200, 205, 206, 209, 218, 220, 223, 235, 242, 244, 247,
257, 260, 264, 277, 280, 285

<223> n = A,T,C or G

<400> 775

acgtggtccc	cagcgcgcca	ggccccggg	cangtcccaa	ntggcgagg	cagtgcggg	60
ggcaccgacg	tcgatcaang	tgaccnacgt	gtgggtccg	cgccagntca	gagcaggat	120
nanncagctc	ttgggggttc	tgggcantga	tcnacgagct	gntgcctctt	nccgccggat	180
gactnacctt	tgccagtntn	ctatnnagnc	tgctttgntn	agntccatga	ctcangactc	240
anangtngtg	gcacagnatn	tganaaacac	tgagctnggn	gacanagctt	tgatagtgga	300
agaacaccta	t					311

<210> 776

<211> 295

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 28, 63, 68, 71, 76, 90, 97, 100, 104, 111, 118, 119, 131,
132, 135, 136, 138, 174, 183, 186, 195, 205, 226, 227, 241,
252, 269, 278

<223> n = A,T,C or G

<400> 776

tttggggggg	gatacgacag	gggcccang	ctgcgcctcc	accgacaagg	gcccgaacat	60
cancgccttg	ncctgnacca	tcctcacggn	catgggncgn	catnggagca	ngagccanna	120
gacgaagt	ttntgnntngc	aacatctcac	aggagataac	agactctggg	gccncccagg	180
ctngcnatgg	gggangcttg	cctancgctg	acccaaaccc	tagacnnagt	cctgaccatt	240
ngccccatac	anatgcaaaa	agggacacnc	acaaatcngg	ccatggagga	ctcaa	295

<210> 777

<211> 259

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 57, 59, 61, 62, 73, 80, 90, 95, 108, 117, 121, 122, 169, 238

<223> n = A,T,C or G

<400> 777

ttaacaggct	tcgaacctgg	aaaggaaagc	ccgtctgaga	gaggaggcat	gcttttngng	60
nngccaaaa	ctncactttn	aaagatattn	tggnggcaac	ccaggaanta	aaaggcntgc	120
nnactaatga	aacctggctt	ttacaaaagg	gatacaaadc	tggaggacnt	cacttttggc	180
cagaacattg	tatttttggc	cacaagaatg	gtattccact	ttcccctatt	aaattgcntg	240
gtaggaaggg	gaaccaaaa					259

<210> 778

<211> 385

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 46, 69, 74, 82, 85, 88, 99, 101, 102, 109, 123, 126, 132, 153, 155, 158, 264, 267, 270, 273, 283, 286, 291, 292, 296, 298, 312, 341, 367, 369

<223> n = A,T,C or G

<400> 778

aagaactgag	gtgggggtntt	tcatttggct	ccccgtcggg	gaatcnaacc	ccggtctccc	60
gcgtgacang	cggngatact	cncnctnta	ccaattatng	nncacaccng	tggcgcggtg	120
ganttnacgt	tnaacatcag	ccgttacagg	cancngcnac	tgatggaaac	cagccatcgc	180
catctgctgc	acgcggaaga	aggcacatgg	ctgaatatat	actgttattt	tgatggaaaa	240
atatactctg	tgtctgacaa	gaanctnatn	acntttttgt	ggnatnccag	nnggtntntg	300
aagtaggcca	tnctcattac	cggctcaatg	atctgacttc	nagactattg	ggcatattgg	360
gagctancnt	taaccttcct	tcgaa				385

<210> 779

<211> 466

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 23, 135, 264, 328, 353, 434, 448

<223> n = A,T,C or G

<400> 779

cttctgagac	ccggatgccg	gnngggcgct	gtgtttttccg	aactgcggct	ggactgcctg	60
ggactctgac	acctacggct	ctcggctttc	ctggggacac	cttcctgagg	gcgtgccgag	120
acatggaggg	cgcanacctg	gcagagaagc	tcctgtccac	ctggctgacg	ctggtgggag	180
gcctcatcct	tttaccctcg	gccttcggat	tatccctggg	tatctcggag	atctacatga	240
agatcctggt	gaaaaccttg	gagngggcca	cattacgaat	tcagaaagga	gccctcaagg	300
agtcacctct	taaaaactca	gcttctgngg	gtattatcca	aagaagatga	agnaccccat	360
gggagaaagg	gctctctggt	ccttcgagga	aggggacttc	cgagctctct	gatgtgggtc	420
tattttctcc	aaanaagggg	gttgggaancc	atttggaggg	agggat		466

<210> 780

<211> 452

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
<222> 113, 117, 163, 197, 234, 330
<223> n = A,T,C or G

<400> 780
tggtgggacc attaaggcaa cgctattgtc ctgatctctg aattgggcct ctccccccaa 60
gaaagaaaag aaggtcaaaa gcgggccacc gggacgcacc gctcaagaaa aantcancgc 120
cgggatgtcc tgaacctcaa agaatacctg aataccgccc aantttcttg gcttcccccg 180
tgttaactgc cttaaanaat gttgcaattc ctatttggcc cccctcccc actngaataa 240
aattacttcc accttttttg ctttggtatt tggccccatc ccctccccgg cttgaataaa 300
gttatctgtt acttccctgt tttcctttgn tgccaattcc tactggcccc atccttcctg 360
ctgaaaaagg cacttcccct tttgcttggt tgtttttaaa accttggggc ctgggcttaa 420
ttacattttg gggggtcttg aatacaaact tc 452

<210> 781
<211> 280
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 33, 34, 47, 53, 57
<223> n = A,T,C or G

<400> 781
accgccttct gggactcctc caggatgctg tgnnctccgc tctttcttct ctncgtngga 60
aatggaatgg gggaacccca aactggctat gagatgattc agaaaggagg gatttccttc 120
agggttgcca cacagcaatt ctgggacaac cggtgacctt gaattcttag gaaaagttag 180
ggaagccaga cttttgacca agactctcca caccatccct attgcaccct aacaggcctt 240
gagtaataac acccatacat tcaaattgtc aaaaaaaaaa 280

<210> 782
<211> 111
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 31, 45, 50, 51, 56, 65, 72, 78, 88
<223> n = A,T,C or G

<400> 782
actgaggtgg gtttgggctg aggtagaacn ngggcggagt ggggntgatn nttagnccgg 60
gaacngtcat angtcctnac aggaagcntg gctggttcca aaataaaaaa a 111

<210> 783
<211> 408
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 28, 35, 47, 63, 64, 70, 74, 77, 81, 115, 128, 130, 135,
137, 167, 171, 176, 183, 195, 202, 212, 216, 218, 222, 231,
233, 234, 239, 242, 246, 260, 264, 296, 298, 301, 307, 310,
350, 377
<223> n = A,T,C or G

<400> 783
tggaactctg gaaaggaaag gcnacgangc atggnttgga accatancac gtactgccat 60
cgnntgctgn ttanatnttg nttgacaaca agaggagact gtggacgtaa cgtnntccac 120

- REPLACEMENT COPY -

```

tttgggcnan agagncnttc acctttggaa ggcgcctttg cactggnttt naagantatt 180
cantacccgg gagangctgt cnccaccagg anaggnancc cnttgctcat ngngtacna 240
ancaantacg gttctctccn cagngcatat ccccgcttta tatccgacat gcaatntngc 300
naatggnaan aatatctgca agactaggat gaagagactg gacagcttcn cctgcctgca 360
cctgtgggcg aaaaaanctg gggaattctt ttttgttttg agcaaggg 408

```

```

<210> 784
<211> 252
<212> DNA
<213> Mus musculus

```

```

<400> 784
cataagtgac taagattggc tgacgctgga ggatgtgtgg gtcgtacacc tgggattaac 60
ttttattaga ggggtggaaa acgtgagttg cgggtgtgggt gtggccgatt agaagaccac 120
gctggggaga tgctgccccat ctaccatcct gtgtatcctg aggaccaaac tcgggcttgg 180
tggtaaaagc ttttatccac caaatcctcc ctctgtggact tcgagattgc ctaattaggt 240
ctgcacctcc cg 252

```

```

<210> 785
<211> 151
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 57, 96, 101
<223> n = A,T,C or G

```

```

<400> 785
gctgacaaga cacacacata caaacaggct tccgagaccc tcccagggtca aacttgntgg 60
aaaccctccc tgctcaaatt atgcctctta ggatanaggt ncccagcatt ttgttttggg 120
tagtagaaaa tacaagtaaa atgtggccag a 151

```

```

<210> 786
<211> 179
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 25, 69, 75, 77, 78, 93, 96, 125
<223> n = A,T,C or G

```

```

<400> 786
tcgcagactg agacaaggtc tagantgagg gagatggctc tgtgggttaaa aatgccgact 60
gctcttccna aagancnnag tgcaaattccg canacnaaag gcatccggag acccatactg 120
ggcgnattct ggtgagtgtg gctgtgtttg ttagtgccct ggaagggtta aaaaaaaaaa 179

```

```

<210> 787
<211> 103
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 44, 51, 58, 67, 83
<223> n = A,T,C or G

```

```

<400> 787
ctgagctttc ggtcagagaa gaaacgcctc aggaagcccc agcngtggct nctggaanat 60
acatgangaa tatggatcag ganattttgct cctaagaaaa aac 103

```

- REPLACEMENT COPY -

<210> 788
 <211> 425
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 21, 39, 40, 42, 43, 51, 52, 59, 60, 70, 79, 85, 86, 87,
 94, 96, 100, 127, 136, 176, 221, 235, 257, 272, 274, 295,
 322, 323, 324, 327, 363, 388, 407
 <223> n = A,T,C or G

<400> 788
 tacttcgtgt ggaactntca naggtcggac aggatgaann tnnttatgct nntactgann 60
 gtgttactan gacgattang gccennntac cggntnatch ccacagggtca cccaaaaggg 120
 agaaaangat actcangaga tccagccagc ggcccacggc catcaacaga aggaanaggc 180
 caccatgca gcaccatcac cgtctggacc tggccctgta ngctgaaaca atgtngccgc 240
 tgctcctctg tgggacncgg tgtcactgtc tnanccggca ccttctggag atcanctggg 300
 gccaccctgg ttcacttctg annntgnctt ccccccgga tcttggttaag gttcctgact 360
 ggntttccac aggctgctt tccgtctntg ggcacctaca ggacttntta cccaccctta 420
 aagtt 425

<210> 789
 <211> 123
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 84
 <223> n = A,T,C or G

<400> 789
 aatcttcgac tgccacagag cgngagcacc ggcataaatg gtcataatgtc taaccgctcc 60
 agtgggtatg gactctaccc ttcncaactg aatgggttcgg atcttcacca ccctattccc 120
 aga 123

<210> 790
 <211> 300
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 35, 39, 41, 55, 58, 78, 84, 90, 108, 110, 113, 208
 <223> n = A,T,C or G

<400> 790
 tgcgatatcc cactattgan tcggagccac ctgcngatnt ngaagggaag aacgngcntc 60
 tacttgctca caacctgnct gacnacctan tagcctatca ctgggttcngn ggnaaacggc 120
 cgatagacaa cgatctaatt ataatgtatg aactaaaatc tcaagaaaca aaacaaggaa 180
 cactatatag cgggagagag aactgtncct ctaatggatc cttgatgtta cagaatgtca 240
 ccttgaagca atctggaatc tacagcctaa atatccattc tgcagatgac caataaaaaa 300

<210> 791
 <211> 386
 <212> DNA
 <213> Mus musculus

<400> 791

- REPLACEMENT COPY -

```

tgagcctagc acagcgcccg ggtcagggat gagtgggtga aggacttga ctcagaagca 60
aggtataggc aaccagttct gacttttgaa cctcagctga gagtgaagca gaggatgtga 120
atctttcatg agcagaatgg tcacaggaag aggaaaggag ttgcttaccg tgtggaagta 180
aaccagacag agcagaggac cacagtgtgc ggcttcccag cctgggtgtag cctgatgctg 240
tgcactgcaa gattcatgtg gcaaattatt aggaaaagca agtgagtatg gctttaattt 300
ttgtactttt acccatgggg acatttttag tgttttaaat gtaagcattg cacagaataa 360
aggtgggtata catgcaaaaa aaaaaa 386

```

<210> 792
 <211> 563
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 45, 240, 265, 342, 488
 <223> n = A,T,C or G

```

<400> 792
ctgagtgtgt gtgggctgag ctcgagncct cacagcagca ggaanagccc ggcaatggga 60
caggatagga ggcaagcatc accatcaaaa gctcctggcg ccctgtgcct gtgttggaag 120
aaaagagggg gtcagagaag aggagatgct catttccgct acccaggctc cagcttgctt 180
aatcccactc ccttgtcttc cgctgcttct tcaatttctc ctgttgacct ttgtgctcan 240
taaacgaaat cttccatctc cggcngcaaa tcagttccac gagtctgcag gctttctgag 300
aagaggcaac agtgtaaaca tgacatcttg ggaagggtta gnaatccggt acatttctgt 360
tgactggctc tctgacccca gctgtgacat catcattagg cccatattta gctccgcaga 420
gaaacaaacc tctgtacgct tcacgaagaa aacagaaggc agcagacgcg atctctttta 480
aatactgncc attcaccttt acagtttagga ataagtacta gaataaaaaat aatagtattg 540
cagccagtgc cagaaaaaaaa aaa 563

```

<210> 793
 <211> 138
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 101, 102
 <223> n = A,T,C or G

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<400> 793
ctgagaaagg cggtactaaa gatggctggg actgcatttc ttgtcctagt ggcttaactg 60
ctgaggggaa gtgccactgt cccactggcc atatattagg nnagaataat atttataaaa 120
taatggtgat gaaaaaaaa 138

```

<210> 794
 <211> 432
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 56, 80, 83, 90, 93, 106, 203, 277, 310
 <223> n = A,T,C or G

```

<400> 794
cactgagggc tcaaggaacc tggnggaaga ggaagcagaa agaattgtgag aggcanaggg 60
gatggaggac taatcaacan ggncaagtcn canggacaaa gtatanacac atgaataaaa 120
gacggaaatt cctttttgcc tcagtacttg ctgtccagaa ttcgaatttt atatatccat 180
catgtcaaag gtgcttctct aanataatcc ttgagtccaa aaggtttact tgtcccaa 240
gtggctcttc tgggtgacact ggaagtacca attacanata caaactgtcc ttgaaagtgg 300

```

- REPLACEMENT COPY -

```
cagaatccan caaactatattt ttcattactg tatttgaggag ctgcttacat acatttttttg 360
gacttacggc cactgggttta cacaggtacc ttgaagattc tattaataaac ctataaaccc 420
ctggccgggg gg 432
```

<210> 795
 <211> 457
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 45, 60, 76, 78, 79, 80, 149, 151, 203, 279, 304, 329,
 378, 379, 381, 391, 393, 397, 407, 414, 416, 427, 432, 441
 <223> n = A,T,C or G

```
<400> 795
ggagatgctg gccaggggtg cttnatgact gtgaccctga gcctntgtca ccacagcggn 60
ggcggaggtg agcgancnnn tggggaagag cctcctcaag ttctgctctg gagatctggg 120
gcctgagagt atcctgcctg acacgcagnt nctggacccc atgcttgctg aggcgcccac 180
cacaccctg gcacaagccc cangcaaggg catggatgat cgggtgtttt acatctatac 240
ttctgggacc accgggcttc ctaaggctgc cattgtggna gcacagcagg tactaccaca 300
ttgntgcctt tggccaccat tectacagna tgcgtgccgc cgatgtgctc tataactgcc 360
tgccactcta ccactctnna nggaaacatc ntnggtnggg ggcaagngcg cctntncggg 420
taacgnggtt tntgcccana naagttctcc gccaccc 457
```

<210> 796
 <211> 210
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 173, 177, 186, 188
 <223> n = A,T,C or G

```
<400> 796
gctgccaccc cgatactgtg aatgccacca aaaactgact acatctggat cgcctctgac 60
ctgggcagga ttaataggag tgccgtggct gggatgttgg aggtagccag agaaagcagg 120
tgagcacagc acgggggctc agggaccgat tccacaagct cctaagctta agnaacnttc 180
tgaaancnaa aatccgggga attttaaaat 210
```

<210> 797
 <211> 408
 <212> DNA
 <213> Mus musculus

```
<400> 797
gactgaggac tgactaacag gcaaagaagt gactcttcca gaggcttccg gtcgtctggg 60
tgactgctg acacagctgt caccgttgca gatgccatct gccctcctcc catctccgtt 120
gtcactcagc cccttccttt gtctggaccc cgacttgccc ttttgcttcc tcaaacagcc 180
ggactcagct ctaccgcctc actctcaaac ctgcagtcag gggctcctgac tcagccacag 240
tctccccaag tgctccggtc ctgtttacct cattgtcaga gactcgtggc cctgagtttc 300
ccagcttttg cttctcaggc ctgttggaac ctctgaaact ccttgcatct ttaacccttc 360
acaaccattc tataatctac acatatacat atatagagaa atttactg 408
```

<210> 798
 <211> 350
 <212> DNA
 <213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
<222> 56, 153, 307
<223> n = A,T,C or G

<400> 798
aagaaacctg gagaagaaca agaagaatga tttcttctct ggtaaagtct ccccaanggtc 60
tgttaacatt caaggatgtg gcagtggact tctcacagga ggaatgggaa tgtcttgact 120
gtgctcagag ggcattgtac atggatgtta tgntggagaa ttacaacaat ctattttttg 180
tggaatatca ttacatatgt cataaatatg agaacttctt ggatcaagac acacagcata 240
ttgtccatga ggatataaat atcaaactga agtcttataa atgtcatgaa cttgccaaaa 300
tcatatntga atccagtcaa agtacacctt ataaaactaa cctcagggat 350

<210> 799
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 241, 243, 245, 248, 251, 257, 264, 268, 275, 276, 278, 284,
290, 297, 302, 305, 307, 308, 309, 310, 318, 321, 325, 328,
341, 345, 354, 360, 391, 393, 401
<223> n = A,T,C or G

<400> 799
ctgggtaagt gtggctcagt ggctgaagaa ggcactggat ggagaggtaa gcaagagtgg 60
agcggggaac aggagccccc cacagatcca tccggtttct accactcccc aatgccagcc 120
attgtcctgc agatcctggc tgaaaacatt caagtgacca acctgattag tgactcattg 180
catcggcggg cgcataacat ggcagtgtca gagctgggcg cattcttgag aaggtttgcc 240
nancntgnng ncccatnctc tatntacnat cttgnngnaa aacngccgan gggcttntta 300
tntancnnnn ctggtgcntg ncttnaanca ccaatcaagg ntganatctt cggnctcggn 360
cctgctgccg gacggggaaa cttccggggg ncntaactcc naggggaagc tgcccttgga 420
ccaacctcaa aaag 434

<210> 800
<211> 136
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 20, 43, 45, 47, 51, 53, 57, 63, 72, 100
<223> n = A,T,C or G

<400> 800
accagcctca ttaattncan caacatcata attcatgcta tantncttgg nncagnagt 60
ttnaaagagc anactttcca caggagctgc ttcacttagn tctacagcca gcccatgtgg 120
acttgatctc tgaact 136

<210> 801
<211> 138
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 23, 28, 51, 109, 116
<223> n = A,T,C or G

<400> 801
tgccattttg attttanggg canagganga gggggaatct cagttggtga nttaaaagca 60

- REPLACEMENT COPY -

ctgaggctta aaactgcttg gaatccttca ttgaaaaca gtggccttnt agcttnttca 120
agtccacttt ttgtgcct 138

<210> 802
<211> 293
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 156
<223> n = A,T,C or G

<400> 802
aagagaaccc actaaataat tggctgacaa caaggggaac agcttggaga agaccagcta 60
agtctgggtt cctcagagat ggctgggaac ttggatgtag gaagtgtttt ctccacgggc 120
agatcatgga ccactttcca cacgtggatg attttntcaa gcaggacgag acagacatca 180
agaactaggg acagaccctt gcccacaaca agacgttgaa aagtcagaaa tcctatgaca 240
tgccatctct gctttggtac ccagaagaga gcttgagcct cttcaaaggc ttt 293

<210> 803
<211> 109
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 41, 58, 67, 77, 87, 89
<223> n = A,T,C or G

<400> 803
ttcatgcttg gcatggngat gctgggctac cccaactttt nggcccccta tggcagangc 60
taccncngat ttgctncta acttatngnt accaatttcc aagctttcc 109

<210> 804
<211> 455
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 52, 54, 64, 78, 84, 86, 87, 108, 113, 118, 121, 126,
135, 138, 139, 141, 145, 154, 163, 173, 181, 182, 185, 187,
193, 194, 221, 235, 241, 260, 261, 273, 275, 277, 278, 279,
281, 284, 323, 338, 346
<223> n = A,T,C or G

<400> 804
cacactctcc cttcaagaag gattgccttt gctcagagac accanacttc tncnacctgc 60
gcancgtgat ctgcgcanc gtgncnctg cgaccaaga gtgcaggncg ggncttangc 120
ngaggnaatc gcggncgnng natgncgtg tctnatgccc acngaggaag agnccatctg 180
nnccnanttg gcnnccatac acacactgaa agacgtgaga ncctggcccc gccnggtcg 240
natttggacc acaaccttgn ncaaaaccgg ttnangnnnt nctnaagtct ggcaaccttg 300
ggggccaaac ctccggagct gangaccgg gaactcangg tcgtcngccg ttgggatgtg 360
aaagggttac tcaccatcct tgctgtggtt gtagatgtcc atggcctcct gcaaattcac 420
tagggcaatc ttctcaatga ccttgacagt cctgg 455

<210> 805
<211> 109
<212> DNA
<213> Mus musculus

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<220>
 <221> misc_feature
 <222> 44
 <223> n = A,T,C or G

<400> 805
 ctccggacct gactgagaca tgcagcttcc ctgtgcatca ctangccacc aggatatcca 60
 cctgtcacct cacttggata aatgtttctg ttttggagca aaaaaaaaaa 109

<210> 806
 <211> 225
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 23, 25, 52, 67, 86, 87, 91, 102, 103, 108, 113, 133,
 151, 170, 171, 179, 181, 185, 196, 206
 <223> n = A,T,C or G

<400> 806
 aagtttccac tgatggtnga tgncttcttt cttcaaactct ctgaccttcc cngtgcccac 60
 ctcacanact gaacacatgc cctgcnntgg ncatgaatta annaatgngg ganatgcttg 120
 caccttgctc tgnctgggat acaatcctgt ntagtgccca tttttatgtn ntcctcatna 180
 natanaagga tgccanagag tttaancatt ttaccaact tttct 225

<210> 807
 <211> 229
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 19, 20, 56, 101, 102, 127, 132, 137, 141, 146, 170, 176,
 208
 <223> n = A,T,C or G

<400> 807
 gagaacagtt aagacagnnn agaaaattct tacagaacaa caagaacaca tgtcangaag 60
 aggacaaaga gcgtatgagc aagagaaaga aaaaggagtc nntcttctatc tgactacctt 120
 aaaaganatt gntcggntaa ncggancagt tgtccaaaaa gctgctcctn cagatngcca 180
 aactcaacag cacttgactg gaccccgnaa ccttgcgga cttcatctc 229

<210> 808
 <211> 395
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 375, 379
 <223> n = A,T,C or G

<400> 808
 ggttgctcga agaaagcact ggaaagacaa tacgttctact ctttttttaa acgagcacga 60
 ttttcaggaa gctgctgctc caccacagcc tctctctgaa cagtcacacag cagacaacca 120
 caagaggatg gggagagtgt ctaacttctc cgtttaggaac actcaagaag gaaataaatt 180
 caagaggaaa gactattctt cccagatagc agaaggagaa caagattcaa atttaagaga 240
 gagaagaatg aaccgtgtca aagaatgatg caaataccaa ttctgccttc tgggactctc 300
 ttcatttgga tgatgcaacg aaggaaagt caccacagaag ggagagcgcc tccgcgtgga 360
 ataagaagaa attgncggnc ggccccaaag tccca 395

- REPLACEMENT COPY -

<210> 809
<211> 148
<212> DNA
<213> Mus musculus

<400> 809
gagatttcag attttgcagc ctaaggaaca ttttccaggg gagactgcca gtgcagccac 60
cttggcaacc aagatcctga tccagagcca catagccaca gactggagta ctgggtgggcc 120
acagtcctca aataccttct caaggcag 148

<210> 810
<211> 405
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 147
<223> n = A,T,C or G

<400> 810
acctgccatg ggcccgtcca ggccttctct tggcgtcctg ttcctctcgg ggacactggg 60
tctcaccact tccccagcca gaggacggct ccgctgttac acctgcagct ttgccaagcc 120
ctgcgaccct gttcccaggg agtgtcnaga ggacgaggtg tgtggtgtca gtgttggcac 180
ctcagagcaa aaggaggagg aagtcattga gcggaaaggc tgcttccca gagcccagtg 240
ccctctgctg ggccatgcga cctactggtc acggctcctac tctctccggc accagtgcctg 300
tgagcaggac ctatgcaatg ctgccgctca cagccacccc ccaaccttcc cctcatgact 360
cttgctaccc cttgcaagcc atgatcggct gggggaagga catga 405

<210> 811
<211> 424
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 86, 105, 138, 209, 229, 235, 236, 244, 276, 333, 364, 386,
388, 391, 403
<223> n = A,T,C or G

<400> 811
tgattctccc cttggcaaac tgcagccagc cagcctcctg ggtcgagagc caagccaaaa 60
gatgtctgag agaagaaacc tggggncctg caaaggtaag tgggncccag cccactctca 120
atccccctct ctctgtgnga ttgctattcc acactggagt cacctgctct gtgcttctga 180
ggaacctcac ctctggcaca tcaatggana ttgtccttcc ctttttatnt atatnnattt 240
attntttatt ttttgccacc ctcactggcc actaanagat agccctagct cctcctctcc 300
tgcttggttt tgacaggact cactccattg agnccttgct tcgtctcttt ggcagccctt 360
cctncttccc ccccccttta tatecntnta nttttttgac ccnccctttg ttttaaaacc 420
ccgt 424

<210> 812
<211> 296
<212> DNA
<213> Mus musculus

<400> 812
gaggcgttgc tgctggagca ggttaataat tctatcacca ccctacagag gaacctggag 60
aagcaagatc gtcaacgggtg actaccaccc ttggaaagca tttggaaaag taaagtgtgt 120
agtgaggcta ggttgtgatg tttttcctac tggctctaata gttaaaaaaa tattagggaa 180
caatatgaag ttcagaaagc cacactctta ttagttaagc aagggacctt ttatggtcag 240
ggaacaagaa cagtggcagc actggctgac cgtgagatgc caggacttgg aagggtg 296

- REPLACEMENT COPY -

<210> 813
 <211> 187
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 46, 49, 57, 82, 92
 <223> n = A,T,C or G

<400> 813
 agccagatga aggacctgta ttcctaggna tttgggagac tgatgnacna ggatcanggg 60
 actccaagaa ttccagatca gncctggacaa cntgagatgc caggacttgg aaggtgaaag 120
 tataggaact tctcgacctg caggcatgca agcttcgact tcgtgagatg ccaggacttg 180
 gaaggtg 187

<210> 814
 <211> 200
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 69, 149, 166
 <223> n = A,T,C or G

<400> 814
 gactgagtct ggctcttttc tagtatgttc aggtgggttc ttggaaagaa tccagcatga 60
 atattattng aactgggaga ttcctgacca gaacattgat atagaagcac tgcaggctgc 120
 atttggatca ctgtatcgag atgaccgtnt taataaagcc cagcangggg cgtgagatgc 180
 caggacttgg aaggtgtgct 200

<210> 815
 <211> 107
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25
 <223> n = A,T,C or G

<400> 815
 agaagatgtg aaagaaaaag accgngctaa agaaatggca cgccagttcc acagttgttg 60
 aagatatcac aaaggacgag caggaggaaa caccggaaaa aaaaaaa 107

<210> 816
 <211> 172
 <212> DNA
 <213> Mus musculus

<400> 816
 acactggggg tcccagactg ccctttgaga ataaaatggg aggccacaac caaagtcttt 60
 tggataaagc accacaatgg acaatactgt tttgaggtgc tcctgtccag cctctattta 120
 tctacttctc tactctctct gcctctacta aaagtgaaga agaagaaaaa aa 172

<210> 817
 <211> 485
 <212> DNA
 <213> Mus musculus

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<220>
<221> misc_feature
<222> 128, 167, 196, 248, 308, 342, 349, 353, 414, 432, 449, 456,
467
<223> n = A,T,C or G

<400> 817
gactgagggg tggaaccagg ccctccaact tctgtgaggg ctagccctgt gtcaggctac 60
aggagtttga gatttttcagc ccctgaatgt atgtggcaag gccattagac tcactttcgc 120
cagctcngga ccatggatat gaggctgcag gagtttgaga ttttcanccc ctgaatgtat 180
gtggcaagac cattanactc gctttcgcca gtgaacagtg ggcgagcgga tgtctgtcac 240
tggcaagngg aaacattcaa ctgctgccgc aggtctctcc tgttctcttc ttctttgtgg 300
gcgcatcnaa gtcacacaca gaggctggcc tgcattctgtc angttgcang agngaccggc 360
atggcctgaa ccgccctgct agcctgtaac acatgtacaa gactcgggta ccgnggggaa 420
acgtgtgctt ancatgggaa agggcccgang gttaanctta agccccnaat taaccaaacc 480
caaag                                         485

<210> 818
<211> 109
<212> DNA
<213> Mus musculus

<400> 818
ctgagtgcga tcaagaaagc acggactact tctcaaactt gggttcgagaa acaaacccta 60
cactgggtctt ttactcatta aagggttttt atagagttaa aaaaaaaaaa 109

<210> 819
<211> 169
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 24, 60, 83, 86, 97, 101, 106, 117, 125
<223> n = A,T,C or G

<400> 819
gactgagatt cccccaccat tnanaacctg gaggcactgg gccacaaaag ccttgctggn 60
aagggtccgc ttcatctatt atncanacaa agtggcnatg nggagntgct tttaaanagc 120
taggnacatg tttagtcaaa tacatcccta aaaaatgggt gaagaaaaaa 169

<210> 820
<211> 139
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 87
<223> n = A,T,C or G

<400> 820
aagtgtctct cgctctgcta ttaaccccat gaaaagagtt ctttccagat aagcggatac 60
ttgcggctgc gtggagtgga tcccagnccc agtttgctac cagcaatccc aaccaagac 120
acaggttctt ggttaaaaaa                                         139

<210> 821
<211> 178
<212> DNA
<213> Mus musculus

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- REPLACEMENT COPY -

<400> 821
taagtactct gcagtgggac agatgccgtg gaaggctggt ggcgctgcct tctggatgac 60
actggcactt tatagttttc tacggaaaga ttagtcgcaa acaaggcttg tagaagtcac 120
tttgttggtg tttttttaac ttttaattac ttaaataaaa cccattggtt tcatagta 178

<210> 822
<211> 315
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 24, 43, 54, 63, 65, 71, 73, 76, 84, 89, 91, 95, 97, 105
<223> n = A,T,C or G

<400> 822
tgactacact acattcanc ccatntagcaa gcttgtccag atngaatatg cttnggctgc 60
agnanctgga ngngcncctt cagngggant ngatntntga acctnggtaa caaccttgca 120
catattggaa ggagagaatc acttcttgca agttaacctc ggctgactat ggtgggcat 180
accagtagga tctgctgaag aatcgagcag aggcaggaga agcccaagta caggtaatcc 240
tctggctcca catctgtccc taaacacaca catatatgca ataaataaat aaatgcaatt 300
ttaaaatgaa aaaaa 315

<210> 823
<211> 142
<212> DNA
<213> Mus musculus

<400> 823
gtaccttgct gaactcttaa atggttctaa gagttcacac gaggagtctg gatttaaaga 60
aacacgatga acagttttat tgtaagttcc ccgcaaactt ttgaatctga gcttccattt 120
actgttttgc atatatgcag gg 142

<210> 824
<211> 440
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 169, 186, 328, 363
<223> n = A,T,C or G

<400> 824
agactgagaa catcggatca gaagttgaga cttccctatt gagaagcagc ggaaggaact 60
tcagctgctc atcggggagc tgaaagaccg cgataaggag ctcaatgaca tggctgcagc 120
gcatcagagg cagcttctct cctgggaaga ggaccggcag aaagtgctna ccctggagga 180
gccctncagc aagctcgaag gtgagctgca taaaaggact gacataatca agtcactgat 240
gaagaaggtc aagaccctgg agtccaatca agcagagtgc cagacagctc ttcagaagac 300
gcagcagcag ctccaggaga tggctcanaa ggccacacac ttcacccttc ttttggaaaa 360
acnttgaggt tggctttcat ttctgatgga ctttattagt ctgaatgctg ggcttccaat 420
gtcaccatta aaagcagagg 440

<210> 825
<211> 247
<212> DNA
<213> Mus musculus

<400> 825
tcagactggg tctgcagctg cccagaggaa gttcgctcac tcgctcagag acttcaagtt 60
cgagtttatc ggcgatgctg agactgacga tgaacggtgc atagatgcct ccttacggga 120

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```

atttttctaac tttctgaaga atctggaaga acagagagaa atcatggcat taagtgtgac 180
tgaaaccctg attaaaccct tggagaaatt cagaaaagag cagcttggag ctgtaaagga 240
aaaaaaa                                           247

```

```

<210> 826
<211> 312
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 24, 37, 47, 191, 211, 227, 267, 272, 281
<223> n = A,T,C or G

```

```

<400> 826
ccgagttacc cgtgccacct gctnccaccc actgaengag ctgcgtntct caggggacct 60
ggcagccgcc tggatggcac agttgtggct gctttccacc catccttcgg agtggatttc 120
cccaactctc agttcagcaa ggaccgtctg ttctttgtca gagcgagacc agaaacaaac 180
gcggacctgc nggatgccac actgggcctt ncgggggact gagggtnгаа ggacgagggc 240
aatttacacc tgcgaagttt tgccacnttt cncaacgggt ncccggcaag ggggggtgac 300
cttggcttta ga                                           312

```

```

<210> 827
<211> 348
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 37, 46, 47, 48, 49, 51, 52, 53, 56, 67, 75, 77, 79, 87, 201,
205, 209, 213, 229, 288, 297, 324
<223> n = A,T,C or G

```

```

<400> 827
actgactgag aaatcttcaa gcaagctcta tgtgggngaa ccggannnng nnnccangtga 60
aagctanagg ttatnanant tacaaanaaa ggaatgccca gcaggagcta cagataatat 120
ccctgagaga tgacatcaag agccttcagg accttattga ttctctaata aagatgaaga 180
ttttgaaaaa cacaattttt naaantttng aanaaccac tgggatctna ctgagaagag 240
tctaaatcta aaagaacccg ttaaggggaa atctgggtggg gaagaaanga gattaangcg 300
gagcttctgg gagaaaaagg cggncctggc ccaacaactt tttggcct                                           348

```

```

<210> 828
<211> 179
<212> DNA
<213> Mus musculus

```

```

<400> 828
agactgggtg gctgaagccg tactatttta tagcagtcac ggagatcaag tgacgatggt 60
acaaacccag aacaactttg gaaaatgaag ccaaagggaa acctggaaga tgacagttac 120
tcggtaaaat aatgactata atagccaata attaaaatgt atacatacta aaaaaaaaaa 179

```

```

<210> 829
<211> 218
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 20, 27
<223> n = A,T,C or G

```


- REPLACEMENT COPY -

<400> 829
catgccaaact ccagcagcan aaagaanttgc acagggggcca ggaggccac ttgtgccaag 60
ggtttggcac cttggagggt gtagtggagc gtgcagttcc caagctggct gcgtgtggag 120
tggctcgcag catctggacg ggcttacagt agtgtggaaa tctgcatcgg tgcacgtaaa 180
acaaaaacca aaccaaaca aagggagaaa aaaacaaa 218

<210> 830
<211> 165
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 38, 53, 99, 116, 143
<223> n = A,T,C or G

<400> 830
tgtgcctctg tctcagctga tattactctg ccaatcanc tgagtccttg gangtggcaa 60
gaaactgcag tacaccacca gaagattttt ttttactgng attctctcta tggagncttg 120
acaaatgcag ctcaactatg cantgtaaga tggaccaata catgc 165

<210> 831
<211> 462
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 46, 111, 195, 246, 247, 249, 250, 259, 275, 314, 317,
327, 343, 355, 364, 388, 392, 397, 405, 411, 419, 430, 431
<223> n = A,T,C or G

<400> 831
gactgagccc cagaactcca gntgaagctc cagtcggctg ggcacnatgg tgcacatcta 60
caatcttatt acatgggatg ttgaggcagg aggatgccga gttcagtggtg ngcgtgcatg 120
tgtgtgtgta tatttatata tgaattacta tatatctcaa gaccatgtct caacaacacc 180
tacaaaaata aagangctct agtcagcata atcagtggtt gcagccttga cccaaaacaa 240
aaaggnngnn ggctcagcnc catgagaaca ctttnggggg agacagaggg atttatattt 300
gcagcatcgc ctgnggnttc acttganttt tgaattaaag acngcgaaaa aagcntaatg 360
gccnccaaag gggacctggc taccttanta anggtgnagg gtaantgatt naatcgaanc 420
ccttcctttt ntttttaaa gggggatttg ggatcatatt tt 462

<210> 832
<211> 206
<212> DNA
<213> Mus musculus

<400> 832
gaactgagtc gtgccttttc ttctgggatt gtaagtgaac cccgtgatca agtgttcacc 60
ggttcacctg ttacactgt gaagtgggta tcttacggag aacacaccag ccttggtttt 120
ctcacgcccc gtgaatgaat gtgtacgcca cagttttacc tgctgatact gtaagggtctg 180
aaaataaagt gaatgttttc cctcca 206

<210> 833
<211> 226
<212> DNA
<213> Mus musculus

<400> 833
ctgagggtata attgtgcaat cagcagctct gatgaccgca gtctcttttcg acgactgaaa 60
ctgaattatg caatttttga tgaaggccat atgctgaaga atatgggctc tatccgctat 120

- REPLACEMENT COPY -

caacatctaa tgacaattaa tgtaagagtg tgctttgtaa ataattgtga taaaatttat 180
ctttcctaatt ttaatacata cacacatgat tttaaatacaaaaaa 226

<210> 834
<211> 146
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 53, 65, 66, 71, 72, 76, 78, 79, 80, 81, 89
<223> n = A,T,C or G

<400> 834
cctagatcct cagagcttga atatatnagc aagacagaaa caatgcttat atnaatggag 60
gagannaaac nnaggntnnn ngcgaccanc agctcaaggg cagtctggat tacaaaaaga 120
gaccctgtct cggaaataga aaaaaa 146

<210> 835
<211> 383
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 67, 76, 105, 125, 151, 157, 172, 181, 218, 221, 227,
235, 238, 243, 249, 250, 259, 279, 287, 309, 314, 323, 325,
326, 335, 350
<223> n = A,T,C or G

<400> 835
aacgtctgtg agcagtgaan actttcatat gaatgactcc gcatggatgt cagctcaccc 60
ccgagtnctt tacatngcag atccctgcag gctatcaaga gaagnggtgg atgatcatct 120
gttanaccag ggatagttta caggacccat ntgaaancat ttttttttcc tntcaccact 180
naacaaatgg acagtttatt cccaaggacg gtttttgnga naggcangct gggcnagnag 240
ggnccttggnn gactttganc aggtggaacc catcttgtn ctccttnatt ttctaaaggg 300
cccacaaant gacntccaca ggngnntttt aggnnattaa ctaccaggtn atttcttaca 360
aaaatgcttg ctttgaaact caa 383

<210> 836
<211> 181
<212> DNA
<213> Mus musculus

<400> 836
ctgagtaaac atcggtactt tcagaatata ggaatgagag gcaaggaaga aaggacattc 60
atcatacgaa gatttgaatc actttgaaac tgtaaaggga thtagcactt gctgccaac 120
taccttgctc accagaatga aggaagtgtc tcagcattaa atggtaacca taatcctcct 180
a 181

<210> 837
<211> 168
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 36, 52, 83, 91, 93, 116, 133
<223> n = A,T,C or G

<400> 837

- REPLACEMENT COPY -

```
ctgtggagaa gatggaatga cagntactat gctcanattc gcaattacga anggtctgct 60
cgaaaatgga agatgtagac ccnagtcctt ncncccagat ggacagagac aggatncatc 120
tcacatgaac cnttacagag atggaatgcg gagagcactc tggcatcc 168
```

<210> 838
 <211> 382
 <212> DNA
 <213> Mus musculus

```
<400> 838
ctaataggga tgccaaagga aaaatatgat cctccagatc ctgcgagaat ttacaccatc 60
atgtccgcag aggaggtagc caatgggaaa aaatctcact gggcagagtt agagatctcg 120
ggtagagtgc ggagcttaag tacatcactc tggtcattaa cacacttgac agcactgcac 180
ctaaatgaca ataaccttgc tcgcattcca cctgatattg ccaagcttca taatctgggt 240
tacctggatc tgtcatccaa taaactcaga agtttaccag cagaactagg aaacatgggtg 300
tctctcaggt gaggaacat ttcattatat acaattacaa atttatcaaa taaaaaactt 360
atgggatgct taaaaaaaaa aa 382
```

<210> 839
 <211> 231
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 100
 <223> n = A,T,C or G

```
<400> 839
aagaggtgca tccatgccaa gcacgggtgct acatgcatgc ccatcccagc actgagagct 60
ggagcaagaa catggcgagt ttgaggacag cctggacctn ctatcccaga aaggctggaa 120
atagtgggat agggggaccc aaaccacgga tggctctgaaa aacaagatgg aagcagattg 180
cctcccttta aaatgggtcgc tatgggaacc ccaaaaataa aattaaaaaa a 231
```

<210> 840
 <211> 336
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 53, 222, 318
 <223> n = A,T,C or G

```
<400> 840
gacctgacca tgcagaggat gatgctcgtg acggttaacg cctcgaatca gcnacggctt 60
gccgttcagc agcagcagac cattttcaat ccgcacctcg cggaaccga catcgcaggc 120
ttctgcttca atcagcgtgc cgtcggcggg gtgcagttca accaccgcac gatagagatt 180
cgggatttcg gcgctccaca gtttcggggt ttcgacgttc anacgtagtg tgacgcgatc 240
ggcataacca ccaccgctca tcgataattt caccgcccga aggcgcgggt ccgctggcga 300
ccttgcgttt taccctgnca taaaagaaac ctgggtc 336
```

<210> 841
 <211> 261
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 30, 34, 67, 75, 96, 119, 121, 152, 192, 206, 210, 212, 234,
 241

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 841
 caatcacccg ttgaggcttt atgctccagn gatnaccctg caaagcaaga gaagatgaat 60
 caccacnccg gaatnggttc aacagtctac aacaanagtc caagataacc ctcacctcnc 120
 ntgactagtg tgcaggcctg accaagcgag gnacagctga aagtttgagc ccatgtttca 180
 ttggaaaata anctgcctgc atctcnctgn gnatcaagcg cctgcccttc gtcntgcatg 240
 ncgtttttgtt ttgcaaagcc c 261

<210> 842
 <211> 168
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 107, 114, 128, 148
 <223> n = A,T,C or G

<400> 842
 ctgctgcctt ttctgctcct gaagccatgc tcctgacagc agcggcctgt ggtgacagta 60
 gtgagacctg cttatcaggg tgtactaccg ttttgtcatt caaactnaat tacnccaatt 120
 cagttgtnta ataactcaga aggcatancc atatttttga gtattgtg 168

<210> 843
 <211> 147
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 30, 37, 117, 124
 <223> n = A,T,C or G

<400> 843
 atgcaagtac ctgctcactc cgcccttctn tcttacncac ccaggccccc caaccctaag 60
 ccaacttgag tccccactct gtcaccttga ttccaatgaa gatgggtgtgg atttctnata 120
 ctanaaataa tagcgctctt tgtttttg 147

<210> 844
 <211> 102
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 26, 28, 42, 52, 55, 63, 69, 78
 <223> n = A,T,C or G

<400> 844
 ctactgcaga cccggccccc caagcncnct gactgaaaag cngggcatcc gngtntctga 60
 gtntcttanc aataaagnga aatgcaatct taataaaaaa aa 102

<210> 845
 <211> 172
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 43, 55

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 845

```
agactgagaa atgactgcac gactgagcaa cctcngaggc agngtcatca atgangtagt 60
cctgagtttg cttaagatac atgtggccct acctcatcct ggaggctggg ggtgcccttc 120
agcactccac actccgtttc aataaagaat aactaaatcc caaaaaaaaa aa 172
```

<210> 846

<211> 106

<212> DNA

<213> Mus musculus

<400> 846

```
gactgaggat cttacttgcc ttggctagcc tggaactcac agagatctgc ctgcctcctg 60
ccttcccagt tgctagtatt aaaggtgtgc accactaaaa aaaaaa 106
```

<210> 847

<211> 160

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 23, 60, 86, 109, 115, 116, 119, 127, 128, 136

<223> n = A,T,C or G

<400> 847

```
ggcgtccacc atgaccanca gangctgatt tttgccggct tgccgctaga aaatggctcn 60
cactctctct gattactaca tccatnaacg agttaacacc tgcacctgnc ctacnctna 120
ggggtgnnta ttaatnattc aggagctgca ttactactgg 160
```

<210> 848

<211> 140

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 33, 43, 55, 56, 61, 79, 102, 110, 115

<223> n = A,T,C or G

<400> 848

```
ggatccatgc ttgggtctgg ctttgnaata aanatcaatg ctncggacgc actgnnatgc 60
ntgaacatct atcagggcnt gctcaaagta tcttgtgctg angagtggcn ggaangtatc 120
gacggagggc gaacactcca 140
```

<210> 849

<211> 330

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 24, 32, 50, 58, 66, 68, 74, 80, 82, 87, 90, 97, 99, 112, 146, 159, 173, 187, 189, 273

<223> n = A,T,C or G

<400> 849

```
gagactgagg tcccagtact ganntgataa cntagtctta caaccacaacn agaatacnaa 60
cagttntnaa aaanccttgn cnttgngan ctctaanant ttgatccagc anccaggcag 120
gatacacttg ttggcccaag gtcccaact tatacagang aggactgcct ggnctggact 180
```

- REPLACEMENT COPY -

```
catggangna cgacactcct aatccttgag agacttgaag tcccagggat tggggagggc 240
ctggcaggat gttgttgaat gggtgtgggt gtnaaggccc cccttattga aaatgtacca 300
aagggtcggg atatgggatg aaaaactgtt 330
```

```
<210> 850
<211> 141
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 27, 50, 72, 75, 79, 85, 89, 90, 92, 97, 99, 102, 103, 104
<223> n = A,T,C or G
```

```
<400> 850
tagaaaagcc ttggctgttt gccacgngcc tctggaccac tacgactttn tggatcaaatt 60
ctcaaggagc tnganggang atgancgttn cnagaanant cnnntccact gttttgcaag 120
aagttacaag ggaggacctt a 141
```

```
<210> 851
<211> 122
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 19, 32, 35, 36, 47, 48
<223> n = A,T,C or G
```

```
<400> 851
ctgggacctt gaatttaant tctccctatg antanntgga tgctganncc gtgaaaagag 60
ctaaaatgaa ccagacctct gcgtgtgact attaaaaacc ctgaaaagtc caaaaaaaaaa 120
aa 122
```

```
<210> 852
<211> 343
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 25, 34, 39, 43, 53, 63, 81, 90, 100, 135, 147, 150, 165,
175, 195, 200, 201, 239, 247, 254, 277, 289, 293
<223> n = A,T,C or G
```

```
<400> 852
gctgggaaca ggggaagaca ctctncctac cganggctna ttntgttggc tnggaagaag 60
agngggaatg ataccttggg nagaaagaan cttgaagctn ctggccagag gacacttgcc 120
tttgaggagc ttcgnaggca gctaganaan ctgctgaatg acgngggcag caatnaaccg 180
tgtgttcgac tgganggaacn ncccaacctt aaatgagcca gcaggattag ccagtccant 240
taccatntag tttnggagcc ccttcatgga caaacntgt cctgtttant ttntgcaaatt 300
tatcttttga agactccctc ttccgaaggt ggggattggt ccc 343
```

```
<210> 853
<211> 336
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 39, 41, 51, 56, 64, 71, 72, 73, 75, 82, 94, 101, 114, 124,
```

- REPLACEMENT COPY -

145, 149, 154, 159, 163, 165, 168, 175, 181, 190, 225, 235,
258, 278, 288, 291, 311, 319
<223> n = A,T,C or G

<400> 853
gccgagaggc tgggctgagc tggaggggaat ttctagcana nggccacaga ngttgngcat 60
ttgntggctg nnnanaaggt gngaattatc cttnggagaa naatcctgaa gctnctggcc 120
agangacact ttgcctttga gggancttnc gtangcaanc ttnanaancc tgctnaaatg 180
naccgcgggn atgtaatcaa cccgggtgtc ttcgacttgg gatangaccg ccccnaccct 240
ataattgaag ccagccanga ttagccattc caaattanca ttttatntc ngaagcccc 300
tttatttgac naacctggnc ctggtttatt ttcttg 336

<210> 854
<211> 167
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 27, 32, 35, 40, 41, 42, 55
<223> n = A,T,C or G

<400> 854
aaggtgggac aggagncatc actctgncaa tnaanctgan nntgcggaaa ggaanagaag 60
ccacaccaca ccaccagagg gtttttttga tgcatttctc tctatggagc tcaactatat 120
aacgtaaggc agccaatac atgtgtgtca ttagtgaaaa aaaaaaa 167

<210> 855
<211> 348
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 33, 38, 43, 45, 57, 62, 64, 75, 76, 78, 84, 93, 98, 101,
110, 111, 114, 122, 123, 128, 130, 133, 193, 241, 254, 257,
266, 274, 282, 288, 293, 305, 310
<223> n = A,T,C or G

<400> 855
atctcatgga gaaaagctgt cgaaactgan ganaacanaa gtncngatgg ggctctngcg 60
gntntgaaag cttgnnangt gtcnacagag tcntcatnga ntctgcctan ncanagggaa 120
tnnatccngn ctnttttttt gccagattt tgattggtct tatttgcctg aagagaaagc 180
tgttccggat cangttcaa ggagcacttc agaaacatct ggtaatatg tcagaccagg 240
ngaaccacca acanaanatg tgtcanactt ggtntataac anaatganct ggnagcaaga 300
tttanaatgn gcaaccacca ggctttcaga aactagacca atggaggc 348

<210> 856
<211> 238
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 82, 122, 128, 135, 136, 196, 217
<223> n = A,T,C or G

<400> 856
agcaggtgct gtcacctggt cacctcacac attgaccaga gtatcacgct gaaaagtgat 60
ctcattcttt catggatgcc ancatgaaga aatcatggga ttttggtttt tttaaacaaa 120
ancattgnat attanntttg cttttcttct tcaagtctca acacataatc ctggctgacc 180

- REPLACEMENT COPY -

taaaagctca ctgggngaac ccagggggac ctttacnttg ggggactgga gggggcct 238

<210> 857

<211> 269

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 79, 199, 234, 240, 250

<223> n = A,T,C or G

<400> 857

caccttcccc	cagccactgg	ntgaaatcct	cagtgggttat	tcatgaacac	gcacccacca	60
tggttttatgg	gactcagtn	atcatgtctc	ctcccaccaa	gaataagctg	aagcgacaga	120
gccagctcct	atccacaatg	ctgtcccggg	cactgagcta	caaagtattg	agacctggat	180
tccaccttct	gcagcctang	tgccagtgac	gacccctcag	agctcttcac	gcancctctn	240
ggcccccggn	gtcctcaagg	tcgtttgga				269

<210> 858

<211> 192

<212> DNA

<213> Mus musculus

<400> 858

gggcttacct	cagcatgtat	gtctgtctca	ctgacatcac	tctgccaatc	aagaccttgg	60
aagcagccaa	aaactgcagc	ataccaccag	aagatttttt	ggtgcatttc	tctatataga	120
atcctgacaa	atgcagctca	actacacaat	gtaagggtgga	ccaatataac	cgtattgtta	180
gcaaaaaaaaa	aa					192

<210> 859

<211> 208

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 100

<223> n = A,T,C or G

<400> 859

tgactgtgtt	ggggcatgga	gtaccatacc	gtcctggaat	gccttgccca	ggggaagaca	60
gtgagtgttc	taagtgtctt	gcacacttat	tactcacagn	ggaaaactaa	gaactttttg	120
ttttggttta	ttttttgaga	caagggttct	ggctgtcttg	gaactctctt	tctaagacca	180
ggctggcctc	cacctctcaa	attggctg				208

<210> 860

<211> 427

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 62, 65, 71, 87, 224, 227, 235, 240, 242, 256, 267, 269, 270, 271, 280, 282, 297, 299, 306, 315, 317, 320, 337, 345, 352, 404

<223> n = A,T,C or G

<400> 860

agactgagaa	cctgctcaag	ccgctgccat	ggatcccagg	ccactacctt	ctttcaagca	60
anaanaagtt	ntacgaatgt	gggcttntgg	acaccggaaa	caaagtgggt	ggcagtgggtg	120

- REPLACEMENT COPY -

```

ggccccgccgc gtggactgtc tgaagctatg gctcatgtgg aaggcacagg gtggggcaggg 180
gttggagcgg cgcacgcacc aggcctttgc tctcaccggg tggncctgt gctcnaggan 240
cncatggtga agaattnggac catgacnann nggtaccaan cncatgggac ccggccnanc 300
tttttnccaa tgggngnggn caaccccata ctggccnagg cccanataaa tntccttctg 360
ggcaaactga aactcctggg ccaggacctg tgaactgctt ttgntttttt ggcccaccca 420
aactttg 427

```

<210> 861
 <211> 306
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 121, 138, 154, 161, 162, 241, 242
 <223> n = A,T,C or G

```

<400> 861
cactgaggat gacacacgag ttgtgagagt gaaggttata agctggcata ggcctggcca 60
agaaagacat cttgggagcc aggtttccct gggaactgcc tgtgaccaac tccaggggat 120
ntggcgccct ctctgggnet ccacaggcac tgencacatg nncacacaac ttaaattctt 180
ttaaagaaga aatgttaaag caggttaaag ctcttggtga agagaaagga aaagaccatc 240
nnaagtgata aatacctgga atctacagat gctttttttt ttaattaatt aaaagtttta 300
tttttg 306

```

<210> 862
 <211> 101
 <212> DNA
 <213> Mus musculus

```

<400> 862
actgaggttc ccagagtcta ccttgtgaaa tgtttttaggc taaagaagag tccagcaaca 60
gctaactgag agacctgaat aaaagggtaa attaaaaaaaa a 101

```

<210> 863
 <211> 133
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 45, 55, 66, 72, 83, 85
 <223> n = A,T,C or G

```

<400> 863
cattgtcaaa attctagaag acattgaang gcatgaaaga aggcntattg gaganaaacc 60
ctatgnaccg tnatcaatgt ggnanagcct ttgcatgtta caatcatctc caaatacata 120
agagaacaca tac 133

```

<210> 864
 <211> 196
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 60, 78, 80, 82, 99, 102, 108, 114, 118, 119, 123, 129, 155
 <223> n = A,T,C or G

```

<400> 864
cttgccctgc tcaagtcctt acggaacaag cgaggccac gtgctgctga aggatcggtg 60

```

- REPLACEMENT COPY -

gctcctcttc ctggaagnen gntttctcct agcactctnc anatgaanac gtanaacnnt 120
 canctctgnc tacatcatgc ctgcctggat gctgncatgc ttccaccttg atgatggact 180
 gaacctctga acctgt 196

<210> 865
 <211> 633
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 35, 52, 73, 126, 319, 360, 380, 398, 509, 537, 544, 548,
 585, 601, 608
 <223> n = A,T,C or G

<400> 865
 ttagactccg ttagtgcct gctaagngaa gatgnattaa actcgcaggt gnacaaccaa 60
 cgagtcaagc atntctgcta ctaccacggc atgaagccct atctatgcta ccagctggag 120
 cagttnaatg gccaaagcgc actcaaaggc tgcttgctaa gcgagaaagg caaacagcat 180
 gcagaaatcc tcttccttga taagattcgg tccatggagc tgagccaagt gataatcacc 240
 tgctacctca cctggagccc ctgcccacaa tgtgcctggc aactggcccg cattcaaaag 300
 ggatcgctca gatctaatac tgcataatca cacctcccgc ctgtatttcc actggaagan 360
 gcccttccag aaggggctgn gttctctgtg gcaatcangc atcctgggtg gacgtcatgg 420
 acctcccaca gtttactgac tgctggacaa actttgtgaa cccgaaaagg cccgttttgg 480
 ccatggaaag gattggagat aattagcang cgcccacaaa ggcggcttca caagatnaaa 540
 gagntctngg gtcttgcaaa tttggtgaat gacttttgaa acctncagct ttggaccccc 600
 ntgtcttnag aaggcaagaa aataatttaa gaa 633

<210> 866
 <211> 303
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 41, 46, 68, 70, 74, 85, 91, 100, 104, 109, 112, 130, 145,
 146, 147, 148, 149, 163, 201, 235, 239, 251, 256, 267, 275
 <223> n = A,T,C or G

<400> 866
 gactgagaag aaaagggggt caaaagcggg ccaccgacgc nccacnccga gaacaaccac 60
 atgattgntn caanccctaa gccncgctg natgtcctgn cctnaagang anccctgata 120
 ctgctaaatn cctgctttac tgtgnnnnng ccaaaagaaa aanttccact gcccctatccc 180
 tactgctgag gtgcatttcc nctaccccat tctcctgct gagaagaact tccnttttng 240
 cttgggcatt naaacnttgg gcctggntaa tacantgggg ccttgatgct agtaaaaaaa 300
 aaa 303

<210> 867
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 24, 59, 60, 71, 83
 <223> n = A,T,C or G

<400> 867
 caaaaagata tcttcttagg gatngaccaa gtaatactgg agagaaaccc tttgaatggn 60
 ttcaatatga nggagccttt gcnagaaacc atcatcatca gtt 103

- REPLACEMENT COPY -

<210> 868
 <211> 375
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 32, 42, 43, 46, 55, 57, 60, 70, 118, 123, 131, 178, 194,
 216, 223, 253, 305, 320, 321, 322, 326, 350, 352
 <223> n = A,T,C or G

<400> 868
 tgggtccagg attcggctca naatgacgtc angagaaggc anngcngggt tttcntnttn 60
 aggccatgtn ttcctacacc gctcgcaggc aggaatgttc tcacatggga cttttctnca 120
 gancagatca ngacgaggac agaggagctc atagcacaga ccaagcaggt gtatgatncc 180
 gtggggacaa tcancctgga ggatgtatct tacganaact gtntgcaggt gctggctgac 240
 atacaagtga agnacataac tggaaaggac catgctggac ttccctcaac acgtgtcgtc 300
 tgacngagaa gtgcgggctn nnagcncaaa agcggacaaa aggctttctn gntttgatat 360
 tgagatgagc ctgaa 375

<210> 869
 <211> 359
 <212> DNA
 <213> Mus musculus

<400> 869
 ctgaggagaa gatggagggg ctgaaagaca agaccctgca ggagctggag gaaatgcaga 60
 atgaccacaga agccattgcc cggctagcct tggagtctcc tgagggttcag gacctgcagt 120
 tagaacgaga gatggcactg gccacgaacc ggagcctggc agagcaaaac ctggagttcc 180
 aaggtcccct ggaaatcagc ccgctctaac ctctcagaca aataccagga gctgcggaag 240
 cttgtggagc ggtgccagga gcagaaagcc aagctggaga aattttcttc ggcactgcag 300
 cctgggacct tggtggacct tctgcagatc gaaggcatga agatcgagga ggagtctga 359

<210> 870
 <211> 426
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 246, 258, 317, 334, 335, 409
 <223> n = A,T,C or G

<400> 870
 actgagtggc cagaaccccc ttcccagtgga gaagcttcca gtgcctgaca gtgtgctaag 60
 tatgttcccc agcacagagg aagggcctga ggacgacagt gcaaagcatg gcggtcgaat 120
 ccgaaccttt ccccatgagc ggggcaactg ggccacccac atctacatac cgtgtgagtc 180
 actgactaaa gtgcctctag ctctggctag gaggaagaca ccagggtctg tgtgtgctgg 240
 actcanctcc caccgcanac ctgaggagac aatggaccgc ctaactgctg aagtagacct 300
 tcctgcactg ggtgttntgt cagctactgg gtgnntcatt tctgcacctc taaagtgggg 360
 gggatgctat ctatctcttt ggaaagatta aatcagataa tctatgccna ttagcccaat 420
 tcgcaa 426

<210> 871
 <211> 616
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 362, 468, 557, 575, 594

- REPLACEMENT COPY -

<223> n = A,T,C or G

```

<400> 871
actgagaagc aagaagaaac ctcaagaacc tagctcagat ctgcaagata agaacgagga 60
gcaggagaag tcctccagtt gcacaggggt attcaaaggt ggaccattct ttttctgtct 120
gacctgtggc aaatgtttca aaaagaacac cttcctcttt aatcaccagt ttcctgtgag 180
gtcccggagg ctggcagtca caaatccaca aagccgcaaa ggcaagggtc acaaggctca 240
gcatcgtgga gagaggcctt tcttttgtaa tttctgtggc aagacttacc gtgatgcttc 300
tggaactgag ccgtcccggg cgtgctcatt taagttatag gccccgttca tgccctgagt 360
gnggaaaggg gttcccggga tcaagctgag ggcaaccgcg acctgaaagg acacaaaaac 420
aaagccagca gctacaacca ggctggcaac caggctacaa ccagaggntt gaagaagagg 480
ggtccaccta cacacctaaa tccaagcgcc cgcctcaaat atttaaagtg atcccgggac 540
catggcccag gctaagnacc gaaaacggac ctcancttgc atgcagatca cttntttcag 600
gggccttaaa aaaaaa 616

```

<210> 872

<211> 331

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 36, 61, 64, 269

<223> n = A,T,C or G

```

<400> 872
tttgcaagga tggaacctgn ctgctgcaag ctatgnactg gagtgctgct gcagccgctg 60
nctntgctgc tactgcctct tattgacgca gatgaaatat tgatgctgtg gctgctggct 120
ggagcccagc cagcccgggc cagggtgggg gcagggaggg cgggccaaag agaaggcatg 180
cctcacgggg ataccagcga gcagggcccg ggcccctact ggctctattc tgccctgctg 240
actcttggtg gccccggggg agggagaanc gtgttgaggg ctggacatat cctaattctat 300
cattgcacct cattcatcct tggaaaaaaa a 331

```

<210> 873

<211> 115

<212> DNA

<213> Mus musculus

<400> 873

```

tccagcttct cctgcgccat acctgcctgg aagctccgag gcttctgcct tcataataat 60
ggacagaaac tctgaacgtg taaaggagcc cctattaaat gttatccttt ataaa 115

```

<210> 874

<211> 111

<212> DNA

<213> Mus musculus

<400> 874

```

catcaaccag acccggtctg agttccactt ctctggtaga atggccagcg gcatggaggt 60
ccggcagacc cgcttcatgt tcttcgtaca gttccccac aatgccaccc a 111

```

<210> 875

<211> 189

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 52

<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 875
agactgagac aggggtctcat gtcgtcctgc tggagccac ttcacatgt anctgagggc 60
gaccttgacc ttcctgctgc cttccacgtg ctgggaacaa gtcttccatc actcctggcc 120
tgaaacgttg cctctgatcc tagcaccatc atagagtaat gaaattcata taaagtgaag 180
aaccgacta 189

<210> 876
<211> 177
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 41, 63, 67, 73, 77, 112, 127, 158
<223> n = A,T,C or G

<400> 876
tatatttcaa aaataagcct gaacacacca cctggcacia nagtgaagct ctctggcact 60
gtnggcntta aanaacngat tctgtctctt aagtgaactc taacaccaca gntcttggtg 120
gtgaagngga acacctaatt gacaagtggg ctttacaanag aagcttatta aagcata 177

<210> 877
<211> 121
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 54, 55, 63, 75, 79, 86, 93, 102
<223> n = A,T,C or G

<400> 877
tccactacca acattgctgg acattttcaaa tgatgaagtc tcctntgggg gctnngtcaa 60
aanccttttc ccaantccnc aaaaantccc ttnaaaaatt gnggaacccg aacccttgct 120
c 121

<210> 878
<211> 106
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 59, 60
<223> n = A,T,C or G

<400> 878
gactgaggat gaaggcttct ctgctctagg ctttccctca gaccctgaag acatctgttn 60
ctcatttccc atctgccccca ataaagaagt ttctatgtca ggcaaa 106

<210> 879
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 83, 121, 218, 282, 332, 374, 378, 381, 404, 413
<223> n = A,T,C or G

<400> 879

- REPLACEMENT COPY -

```

ctgagggaaa gacacctgcc taagatcaca ggtcaaacca ggcattggtg tttatgcctg 60
ttctccaaac attaggaag tanacgcagg aggatccgag ttcgaaacca gctctgaatg 120
nacagagaat tcgaggccag ctgggcctac aggaccggtt tctcaacaac caaccaacca 180
tggaaccag agaaactttg atcctcagag agatctanaa gcctgctgaa gcctgcaagc 240
aagcctacaa cctccctcaa gcttcctcgc cctaaaccgg anagtcaccc cctgagcctc 300
cttcctgctg gggaacccac tccttggtca gnagtctcca aatgaagaaa ccggaagagc 360
cagagccgac tgangtgngt ncatgaacat gcgcaagcct tcgngcgggt ggnttaactt 420
ctggtttttc ccaa 434

```

<210> 880
 <211> 191
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 48, 58, 82, 99, 140, 147
 <223> n = A,T,C or G

```

<400> 880
tttgctactt aaggtaccaa gtacctggct ccgtgcattt cacaggcnca gtgggcanag 60
ctgtaagcta cattcaggct tnccttgga ctttaaggant ttccaattcc ttgcctgcct 120
ttaactgggg aaagctccan caatctntgg aaggttctct gggcaaatga ctactgctgg 180
gaggcattca a 191

```

<210> 881
 <211> 314
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 24, 38, 44, 49, 62, 74, 94, 102, 103, 131, 139, 169,
 172, 173, 193, 211, 213, 237, 238, 261, 262, 269, 288
 <223> n = A,T,C or G

```

<400> 881
ggcatgaaag aactcntgct gganagaaac cctatganta tgcncatang ggataaatcc 60
tncatatgtc tcntcatct tcaaaagctt gatngaaacc annctagaga cagacactct 120
gaagtctttc nccatagtna agtgctgcgc gtgtcgaagt cctctccana tnnataaagg 180
aacagacact gcncataaac cctacaaaat nantagctgg gaacgattgc ttttttnnga 240
cccgacactc tgatgtcttt nnacatagna aagtgcttgc gtgtcaangc ctcttgcaaa 300
taaataaagg aacc 314

```

<210> 882
 <211> 356
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 173, 204, 214, 232, 256, 257, 258, 271, 290, 302, 303, 310,
 313, 317, 325
 <223> n = A,T,C or G

```

<400> 882
gcaaaggggg aggcgtgaat tattcacccc ctttttaaac aagaggggtgc tctgcagctt 60
cgcccactcc agagccatct ttgatcctaa gttgccaaaa tgactgaacc atcacagaag 120
aacaactcca ctcaacagga gctcactaac cacttgtttc cagagaaaag cantcagatt 180
ggacagaagc aactgcaaca gatngaacgg cagntaaagt gcttggcatt tnaaaaccct 240
gggacctcag gtgggnnnga tttttaaccc ncgaggacat ggcaggtagn aaaaaggaat 300

```

- REPLACEMENT COPY -

anncggcggn atngttncaa gcatngaagtg gagctacctt ttttcctggt gaaagt 356

<210> 883
 <211> 404
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 321, 324, 370
 <223> n = A,T,C or G

<400> 883
 ctctggtgcc tctgagcctc gtgggcagtg ccagcaacac cagcaggagg ctggaccaaa 60
 ctccagagca ccagagagag cagagcttga gacagcaggg gcctccatct tctctgctgc 120
 ccacagggca ccttgctgtc cccacaaggc cagtgggccc atggagggat tgtgcagagg 180
 ctcacggggc aggtcactgg cagagtggag tgtatgacct gcggctgggc cgtcgtgtag 240
 tagccgtgtg gtgtgaacag cagcaggaag gtggaggctg gactgtcatc caaaagacgg 300
 caggacggct ctgtcaactt nttnaccaa ttggcagcac ttacaaaggc gggctttggg 360
 cgtccagaan gaaaataactg gctgggcctg gaacctgtgc atca 404

<210> 884
 <211> 217
 <212> DNA
 <213> Mus musculus

<400> 884
 agcgagcccg agtgcaggga ggctgggcta cacctaccaa gagccagtct gctactcagc 60
 cagcttcccc tgctaggagc cgtctttccc agaccgcggg gccagcctgg aggagcaagg 120
 aacagcagca atgtgaccga caatttgtgt tcaaagaacc tcagctgggt gtccgtgcag 180
 ccccagaacc cagagtgtat gacaagggag ggtgtggt 217

<210> 885
 <211> 376
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 31, 34, 53, 56, 59, 325
 <223> n = A,T,C or G

<400> 885
 ggcctcgaga ctatcatgga gggctccccg ngcnaaggcc tgtacttctt tgngtncgna 60
 agctgcagtg catttggtgt gactgggggtc ctgctgattc tcttcagcct caaccttcat 120
 atgaggatcc cccagatcaa ctggaatcta acagatttgg tcaacactgg actcagcact 180
 ttctttttct ttatcgctc aatcgtgttg gctgctctaa accataaaac cggagcggaa 240
 attgctgccg ggatatttgg cttcttggca acagcagcct atgcagttag cacattcctg 300
 gccatgcaga aatggagagt cagcngtccc gccagcagag cactaatgac tacatccgaa 360
 ctcgcaccga agtcga 376

<210> 886
 <211> 171
 <212> DNA
 <213> Mus musculus

<400> 886
 agactgaggg ctgaactgaa aaaggatcaa aggcgtctaa aacgtctttg gagccccctc 60
 tgaatacatc tgatggtgta tacgcagcta acagacattg ggcgcaacag aactaatcga 120
 ctgtgtgatc gggttatgcca ttaaattctt tctagaagct gaaaaaaaaa c 171

- REPLACEMENT COPY -

<210> 887
 <211> 236
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 199, 204, 207
 <223> n = A,T,C or G

<400> 887
 cagttcctgc agcagcttaa catcttggat tataagcatg agactcaaca tccagcttga 60
 actctccatg ctactgacg tggataactt cttcaccgca gcaaccttca agaagggtct 120
 acagaaaatt agcattagt taaatttcag taatgactga ttaactaaat atatgtttac 180
 cagaattatc aaacttttna aatnaanagt cataccatca aattgaaaaa aaaaaa 236

<210> 888
 <211> 384
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 129, 138, 140, 141, 146, 151, 155, 167, 168, 173, 175, 180,
 185, 186, 194, 213, 223, 226, 238, 239, 243, 260, 261, 263,
 267, 269, 276, 277, 288, 289, 316
 <223> n = A,T,C or G

<400> 888
 gaggtggggt ctttcaagaa gcacaggatg tcacacctgca actgagaaaa gaatgctact 60
 accttacttg tcagctgtat gcattgaaag agaagctaac ttcccgacaa agtgaagaaa 120
 cgactcagng ctgcaaangn nattgnggaa naaangtgaa gatttgnggc cananacatn 180
 attgnntttg ccgncggttg atacaatcct gangagctga gtncantcat tgggactnnc 240
 cgngctggaa agagaactgn ncntctncnc cccacnnaaa gaagctgnnc tctgatctct 300
 atgcatgctt cctcgngcct ccccccaaat aagtaaataa tggttttaaaa atgtatagac 360
 aaagaagaag aagtttttaa aagc 384

<210> 889
 <211> 380
 <212> DNA
 <213> Mus musculus

<400> 889
 gaggcgctgt gaaacgcgtg gacagaccaa tcccgacctg aggagagctg gttccttcct 60
 ggggaaggcg cagatttggg attttgaact tctgacgctc tcgccaggaa aaggtgctgt 120
 ctgtgtcagt gtatccacca tgtcgggctg gcagtccaaa gcagccaggc ttcaaaagga 180
 gcggaaagaa aagctgtcgg cagacaggga gagaaaaacg gccacatctc tgtgcttaaa 240
 acacagcgaa gtacctgcat ccatgatgaa gcagtttaat gctttaatgg aaatgcaaga 300
 ggtgatgttt gcagagatga gagaaaccta taaaaacgat ataaaggaaa tgcttggtta 360
 aacgaacagc accttgggtg 380

<210> 890
 <211> 328
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 134, 140, 148, 159, 162, 185, 190, 202, 218, 286, 289, 297
 <223> n = A,T,C or G

- REPLACEMENT COPY -

```
<400> 890
acactgagtg gcaaagtgct aaccacaccc tctcagcagg atcccgcgcc tcaagagcct 60
taggtcccgc cccacactcc ctcaaaccct cagtgcagcg cttgttgtca ggcgcaatct 120
cgcatcgatc cggngaggcn gctacgtnga gctccactng gncccaaaag tacctgcaag 180
cgctncacan ttgcgctcgg cnccttgct ttgttctnac tttccgagat atccactgca 240
tcttgagtcc tgcattccact cccgggaggc ggctgcggca agctcngtna tggaaanaaa 300
gagcgtgata agccagctag acaggtgg                                     328
```

```
<210> 891
<211> 165
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 63, 75, 95, 96, 97, 98, 99, 104, 106, 133, 147
<223> n = A,T,C or G
```

```
<400> 891
ctgaggaccg ctgggcagaa tgtcacgatg gatgaggggg gcctgcccct gctccccgac 60
agncttgtct accanattct cctgagtttg ggccnnnnna atgngntggc tactgggctg 120
ttataccatc aanggcaagc tgagtcngga atgagttctt atggc                                     165
```

```
<210> 892
<211> 383
<212> DNA
<213> Mus musculus
```

```
<400> 892
gaaactgagc atctgcccac gaaaatgact ttccagccct taaatcatgg tttttcaaca 60
tcagcaaagt gcttaacgcc tcctccttca aaagataatg ctctgcgtt gaacattgag 120
gacctcatag agaaactgca ggctggagtg atggtaaagg atcagattag tgatataaga 180
atatctgaca tcatggatgt ttatgagatg aaactttcca cattagcctc taaagagagc 240
aggttacaag atctcctgga agcaaaagcc ctggctcttg cacaggctga cagactgatc 300
gctcagtatc gctgtcagag aacgcaagca gagacagagg cacgaacact tgcgggtatg 360
ttacgagaaa gttgaaaaaa aaa                                     383
```

```
<210> 893
<211> 122
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 20, 28, 32, 39, 46, 68, 71, 72, 79, 81, 83, 101
<223> n = A,T,C or G
```

```
<400> 893
ctgggcagac ggccataatn gcttactngt gnaactctna tgcggnacgg ccaaggcaga 60
acagactnta nnaaagaanc ngngataatt caggccaaga ngagaaaaac agcacaggat 120
gt                                     122
```

```
<210> 894
<211> 147
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 67, 71, 78, 81, 87, 88, 94, 98, 102, 103, 113
<223> n = A,T,C or G
```

- REPLACEMENT COPY -

<400> 894
acagactgag atggacagtc tgaggctgag agagggctag tgatttctcg gacacttggg 60
cagtagnacc nataccancc ngtagctnngg gatncgangg cnntggagag ggngctgcaa 120
cagccccttg agacgaatac cactctg 147

<210> 895
<211> 455
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 20, 33, 52, 66, 85, 92, 112, 129, 178, 192, 198, 222,
224, 230, 245, 266, 278, 280, 286, 298, 315, 324, 328, 346,
351, 362, 367, 369, 373, 385, 388, 394, 412, 425, 436
<223> n = A,T,C or G

<400> 895
atccgaaagt ggacccccnn ttagcgcgcg ctncacctac aagatgaact cntaggcgaa 60
gaaacnctgt ggtactgccc actcncctccg cncctccac ggatggagca anattctgga 120
ggacgtgcna ggggcacccg ctcaagatcc tgttttctact gccctggccc cggaagancc 180
cccagaccca tncccaangg ctgaggactc tgagatccat gncntgagcn gatcttccat 240
caganccggg cctaccgtgg ctatanaatg agaggctngn gggtcncggg ggaagctntg 300
agacagaagt acgantggcc tttngcanaa cttggatatc cggctngaata naagataatc 360
antcccnct tgnacattct gccanccncc ctanatgcct taaggtttac anccgtagat 420
tggtntcttt ggtacncaag agcccttggg catcc 455

<210> 896
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 251
<223> n = A,T,C or G

<400> 896
ctgagattac caaagagttg tcagctgttt ccaaggctgc cgtgggaggg ggaggatgga 60
gagatggagg aaatccctgc tgctgtcgca actgggagca cccacaggcc ttggcagctg 120
ggggctgcag ctggtgacct tggccacagg cactgactgc tccctgtccc ctcaggacct 180
accccatccc cagccacacc actaccgtga ttcctccaaa gatccaaaac tttaattaaa 240
aaaaagtctt ntaaaaccga aaaaaaaaaa 270

<210> 897
<211> 308
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 137, 139, 140, 141, 151, 159, 161, 162, 166, 167, 173, 177,
190, 203, 218, 224, 230, 248, 250, 261, 265, 277, 283, 288
<223> n = A,T,C or G

<400> 897
gactggatga ttgtggtctc ctggacggac tgccgagcca ctgaattaca cccatcttct 60
ggccacacta cagaagttgt ctatggagtt gaaatgttta ttgcagtaac ctctgacctt 120
atgtgattta aggaacngnn ntcctgagat nagaactgnt nngccnngaa gancaangag 180
aaaacacggn agccgctggt gancggttca catttgangt caantccacn cctaccaaaa 240
gcacgttngn tgtgcacaga nagancttctg gggggtnatt tgntggangt gttcagtggtg 300

- REPLACEMENT COPY -

tgctaagc

308

<210> 898
<211> 171
<212> DNA
<213> Mus musculus

<400> 898
ctgggtatct agccagcttc caggaccagg tgattggaaa cctcagtgat ttgaactaag 60
agccaacaaa gccttgggtt tgtggcacac tcttcacatt ctttgcacag ctctttttgc 120
tgttaaaatc tgcactggat ttttaaaaat gaagcaattg aaaaaaaaaa a 171

<210> 899
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 27, 37, 51, 84, 109, 119, 137, 148, 149, 150, 152, 169,
172, 173, 180, 182, 199, 200, 206, 208, 213, 217
<223> n = A,T,C or G

<400> 899
ttagggacat cacataagga cctncancct cagtctngga ctgtacgtct nctaattgtga 60
ggaagaatat tctctgctgg cttntatcct actgacactg ggggttganc tgcctttgnc 120
tgaccattct tttattngct ttatgttnnn tntaaaacaa acttttatnt gnntctggan 180
antataaaat aacaggccnn ggaggncnag cangccttg aatggacatg tgaattattg 240
tcttgcatga atgctctacg gccaccactt 270

<210> 900
<211> 339
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 255, 261, 287
<223> n = A,T,C or G

<400> 900
caccaccccc cagtgcccggt tccacgccct tgcctggacc accaggctcc ccgcgctcct 60
ccggcggaac ccccttgcac tcacctctgc acacgcctcg agccagccct acggggaccc 120
caggaacgac gccacctccc agcccaggcg gtggcgctcg gggagccgcc tggagaagtc 180
ggctcaactc catccgcaac agcttctctg gctcccctcg cttcaccggc gcaagatgca 240
aggtcctaac cggcngagga natgtccagt ttgacaccag aatcttntcc ttgagctggc 300
aaaacgctcc tgggttcggg aatttcatct tcttaagaa 339

<210> 901
<211> 387
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28, 39, 364
<223> n = A,T,C or G

<400> 901
gactgagctg tacggttctg tgaccggngc catctaana agccagaccg ctgccatcac 60
tgttctgtct gtgccatgtg tgttttaaaa atggaccatc actgcccacg ggtaataaac 120

- REPLACEMENT COPY -

```

tgcattggat tttccaacta caaattcttc cttcagttct tagcttattc cgttctctac 180
tgccgtgtaca ttgctacaac agtcttcagc tacttcatca aatactggag aggggaattg 240
cccagtgttc gctctaagtt ccatgtcctc tttctcctct ttgtggcctg catgtttttt 300
gtcagccttg tgattctctt tggttaccat tggttgcttg tcagcagaaa caaaactacc 360
ttanaggcct tctgcacacc agtatctc                                     387

```

```

<210> 902
<211> 148
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 30, 50, 63, 65, 66, 68, 70, 93, 131
<223> n = A,T,C or G

```

```

<400> 902
ggggaactct caaaaggaac ggacgggaan catggctggt catcatatan tgcactgcct 60
cgnanncnan gaattacggg ctcggtaaag ganatttttg ccctcctcct tgagtgtatc 120
ttatgggcag nggttggaag aaaaaaaaaa                                     148

```

```

<210> 903
<211> 273
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 17, 226, 232
<223> n = A,T,C or G

```

```

<400> 903
aggactgtgg tcggcanaca tgctaggaag accacaggct gccaccctgg tggacgccct 60
gggaagtggg gagagccaga gatacctggt agtctccgga gatccatcag agggaccgag 120
ttctgttggt gaagcagaag tttccccctc caaaatcatc taattctttt gcctgcttgt 180
ggaagacacg aaagggtcac gtgtgtcttg tttctgtttt gtgtgntttt gngtatgtgt 240
ttaaaagcta tgtaaaaatc tagagaagcg aaa                                     273

```

```

<210> 904
<211> 225
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 34, 40, 41, 48, 50, 54, 56, 58, 96, 97, 105, 117, 118, 135,
145, 152, 154, 156, 163, 164
<223> n = A,T,C or G

```

```

<400> 904
aactgacttt tttcttaagc accattaact cttncctgtn nagggttntn ctgnantnca 60
gagccatgca gaatgtgcta agcggcaaag cctganngtc tccantgagt gactgttnag 120
cgagagcagg atgancctgc tgcantcagg angnangtgg ccnnttgctt ctgccatact 180
gatccggact tcctcctgtg tttgtacggc aaaatatcca agcca                                     225

```

```

<210> 905
<211> 133
<212> DNA
<213> Mus musculus

```

```

<400> 905

```

- REPLACEMENT COPY -

```

agtgctggct ttcctggaac ttgctgtgta aaccaggctc tcctggaact caggagattt 60
acctgctcct acaggcatgc accaacatac attgatgtat tttatttaca taaagtttta 120
catatttaca aaa 133

```

```

<210> 906
<211> 177
<212> DNA
<213> Mus musculus

```

```

<400> 906
actgagatga gagactgagg agcaggctgt ggggatctca gccatagtcg ttggcttcat 60
ggttccagca ggatgggtct tagcccactt ggagagctat aaaaagagct ccgcagcatg 120
aagttgcaca tccctgagag atttcattaa acatgtccat ctgcctaaaa aaaaaaa 177

```

```

<210> 907
<211> 200
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 20, 25, 34, 67, 140, 149, 151, 165, 168, 175
<223> n = A,T,C or G

```

```

<400> 907
tgaccgtcat tgtcaacatn aagtngatcc tggncactcg gagagcaatc agcgaggcca 60
atgaagnccc agaaccagag caagactatg atgaggccct aggacgtctg gagtcccctc 120
ggcgcagagg catcattccn gggacggtn tctggatgtt ttaantanac tccantagga 180
agcaaagtga aaaaaaaaaa 200

```

```

<210> 908
<211> 301
<212> DNA
<213> Mus musculus

```

```

<400> 908
gactgaggta ttgcctgttg ggggtgtagtt gttctggtag accccaaagg gaagagccac 60
ccagttatatt gaaaatacca gcagttcatt gttgtctatc atcactggct tctgggcaga 120
cagaacaagc gttgggttg tggatattcg ttgcacacac ggccaaggat gtacttaact 180
gtaaggacat accgagaaga ttgtgaagat atgagctgtc attctttggc catggatgct 240
tacggttttac cccctctcag attataaaga gacaaataaa ccccttgga gcaaaaaaaaa 300
a 301

```

```

<210> 909
<211> 108
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 49, 53, 57, 58
<223> n = A,T,C or G

```

```

<400> 909
ggtaacaatg agagtgcgat agatccatta ataactcatc tgggatatnt gtntcannct 60
tcaagtgtac cacagcgtgg aaacatggtc tggtaacacc actgcttt 108

```

```

<210> 910
<211> 262
<212> DNA
<213> Mus musculus

```

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 19, 26, 28, 29, 31, 73, 75, 78, 79, 85, 88, 90, 106, 139,
 159, 178, 188, 189, 193, 201, 239, 241
 <223> n = A,T,C or G

<400> 910
 ttgctcagta gctggagtna cagtcngnng ngagctgcac aacatgagtg ctggagaacg 60
 aaactttcag tcntntgnna cagcnggnan tactttccag ccacangagc tgtccctcca 120
 gccctgctct gcaagcgtng tttttcacgg ttcacccant gctgtgtgtc attcctgntc 180
 tgggcggntt gantagtgat nccattgcat ggatacatac cacgttattt atttatcanc 240
 ntattcatgt tatcaatttg at 262

<210> 911
 <211> 121
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 28, 48, 51, 62, 67, 103, 104
 <223> n = A,T,C or G

<400> 911
 ttagactgag tgctgattat anacctanca acattaagac agaagatntc nggaagggac 60
 angaaangaa aatcagaaga ggaagaggat ggtaaactta aanngcccaa gaatttgatc 120
 a 121

<210> 912
 <211> 225
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 22, 26, 42, 80, 81, 114, 116, 120, 133, 174, 177, 195
 <223> n = A,T,C or G

<400> 912
 cctagggtta ggattccncg cngacngaag accccagctc tntaggactt ccctgggact 60
 ctagcaccag atgggactgn ngagacagcc agtcttctga actgaacaac tacngngatn 120
 cttgcccttt cantcaggag acagccactg ttgggctgct ataaccacag cctntangcc 180
 actctaataa atccnatata tgttatattca ttgtaaaaaa aaaaa 225

<210> 913
 <211> 172
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 32, 47, 48, 56, 59, 74, 83, 97, 98, 99, 110, 115, 117
 <223> n = A,T,C or G

<400> 913
 attgaacgcg ttttgggaaa accccttgca angggccccg gggacanncg agaggncgna 60
 cccgcaaaaa gctngaagag gancggacac ccttacnng ggagatggtn gcgngntcc 120
 cataccataa accacctgcc cattacaagc ctccagcaac acgggcgagc ga 172

<210> 914
 <211> 256

- REPLACEMENT COPY -

```

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 54, 71, 75, 77, 79, 103, 140, 141, 142, 143, 154, 160, 169,
173, 174, 178, 180, 188, 205, 216, 217, 226
<223> n = A,T,C or G

<400> 914
atgaggagta tggctgtccc attctacatg aggatagggt tgctgatgag ttanagcatc 60
aaatgcagga nggcngngng attgaggatt accacgggct ganacttgct tccccggcgc 120
tgattcatat agcggttgtn nnncaaaca atcnggtgcn ttgtatacnc canntctncn 180
gaggggtnat aaggaaaaca agctnctgcg accatnntct gacgtnaggg cttcttcctt 240
aatgtatgga ggagaa 256

<210> 915
<211> 216
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 33, 41, 43, 46, 67, 74, 80, 91, 120, 124, 127, 132, 146
<223> n = A,T,C or G

<400> 915
gggaatttct caattttgct nagaggacat tgnacatgga nanatnggag gagaactaca 60
acaatcnatt attngtgatn cttatcacgt naatgggaca aatgatttat tggtttcacn 120
gttncangat antgactgac tatgantccc ttatgctctg caacatctcc ttcctcattg 180
ccctgtaaat aaagctgagt attttaaaaa aaaaaa 216

<210> 916
<211> 216
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 47, 51, 64, 72, 78, 82, 89, 99, 102, 105, 108, 109, 115,
133, 146, 161, 195
<223> n = A,T,C or G

<400> 916
tcgactatat tggtgtganc gggttcagcca ccaacactac caatggnacc natgggaatt 60
tgngngccggt ancgaccnac anaaggacna gtgtttcgng cngcntcna tagcngcaga 120
agggcacctt gcncgggctac cactgnggat tccatccatc ncagcgcacc tcttaactg 180
ctgcctagga cagantaata cttgacaata aaagct 216

<210> 917
<211> 227
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 61, 64, 66, 77, 79, 82, 103, 106, 110, 113, 116, 120, 130,
150, 158, 175, 176, 178, 186, 190, 203
<223> n = A,T,C or G

<400> 917

```

- REPLACEMENT COPY -

```
tccagactgg atggagagac tgacagttta acacttggcc aaggccatat acctggtaag 60
nggnanagct gctctgngng antccaaagc cctcactttt tgnatntttt tanaantgan 120
atatgaattt tttcatacaa ggaaaaggan gaataaanct gtggggggcat gaggcnncc 180
tgggcngagn ttgctaataca ttnaaccac catgatgaaa aaaaaaa 227
```

```
<210> 918
<211> 374
<212> DNA
<213> Mus musculus
```

```
<400> 918
actgaggtcc cggggggtttg ggaggatcag tgcattatgc ccaatggcta ggtctgcagt 60
gagacctgcg agccttaact taaatcggtc tcgaagcctt agcaacagta acccagatat 120
atctgggact cccacatcac cagatgatga agttcgggtca atcattggca gtaaggtaaa 180
ccgaggacat gctatccact tatgagagtt attgaagtat ttgatttatt cttaatTTTA 240
agatgtattt aagttcaaag taagtatgaa tttttttatt ttacttgagt tagaaaaaag 300
caaaatattc ctattttgtc agtaaatacc ttacacattt ctattaaata tgtttgctgt 360
taaaaaaaag cctt 374
```

```
<210> 919
<211> 228
<212> DNA
<213> Mus musculus
```

```
<400> 919
gaactgaggg tagaattgac tggacatctg cctgtgaaga atagagatgc tcagaagcat 60
gacggcaggc tctcagcaaa catggtctac tcaccgaaaa agcttgacga tgctgcgatt 120
actgctagga gagtctccat gtaccttttg gtacttcttg atgctccagt gaaagaccac 180
ggatgggaat ttcccatgac ccctctctta ggaacaaaac aaagactg 228
```

```
<210> 920
<211> 123
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 21, 22, 35, 46, 66, 72, 82, 98, 100, 104
<223> n = A,T,C or G
```

```
<400> 920
gcctgtcgtc agatgccgcg nnagcggaaa ccganctctg cctagnngag agtcctccgt 60
catcgngtga cnagcaaacg anaacgaaag ggactggncn tgcnccccgg ggtcgtcaaa 120
aca 123
```

```
<210> 921
<211> 366
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 28, 65, 79
<223> n = A,T,C or G
```

```
<400> 921
agtcttgcta tgcagatctg gccccccngc gtgataattc tcctgcttct gcctcccag 60
ctggnatgcc aggctgtnc caacacaccc agctttttgtg tgagtccatc acagtgcgca 120
agaccgaaag caggcagctt ctctttgttt gcggttgga tgcttaacgg ccgctggaag 180
tgagtggcca gtggattgtg caaagccgat acagagatac agagcacgcc cttccacctg 240
gcgttccggc cagagagctc tccagacagc acccgtccca gaatgcgctt gcgcaaaacc 300
```


- REPLACEMENT COPY -

agggatgttt gtccggtttg atcattgctg tgtggcagtg tccaagtga gactgcaaa 360
taaaac 366

<210> 922
<211> 107
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 48
<223> n = A,T,C or G

<400> 922
gactgaggtg gcatccacta gactgagggg gacatccagg tacnccngc cagtggagag 60
agttcactta ccgaataaaa ctcaagtga ccccgagaaa aaaaaaa 107

<210> 923
<211> 329
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 186, 203, 237, 297
<223> n = A,T,C or G

<400> 923
tcagagagga cagatgctac ggtgaacccc cgctcattct ttctaaggaa tcccagtgaa 60
aatacatttg aactgggtccc cctgggggat gaggaggagg aggagaaaaa tgaaagcgtc 120
ctgctggagg gtagggcagt ctacttaaat ataagccttc ctctcacac gccgcctcct 180
cccttnatct ccgaggacgc ctncggatat ctgaccagcc cctggctgac gctcttnatg 240
ccctccgtgt acacgattgt gttcattgtc agccttcctc tgaacgtcct ggccatngca 300
agtgttcgtc ttgaggatga aagtcaaga 329

<210> 924
<211> 204
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 77, 162
<223> n = A,T,C or G

<400> 924
ctgaggtttc agtggttagag agcatcgggg cggagcttgc tgacgattcc cactgcctct 60
gccagccacc tagctgntcc ggagctatca cgtggtcacc tgcaacctta ctccaagatg 120
atttgcccg aaagggcccc ttccccctgct tcctaaccga gngtcagaaa tagtaaaatc 180
gaaccttgat ctgaaaaaaa aaaa 204

<210> 925
<211> 120
<212> DNA
<213> Mus musculus

<400> 925
gaactgagat agccagttccc aagaaaaaac aaccacattg tcagactcct tcctcagcag 60
agtgaagacgt ccacgtttggc gagccgtgag atgccaggac ttggaaggtg atccccctgtg 120

- REPLACEMENT COPY -

<210> 926
 <211> 401
 <212> DNA
 <213> Mus musculus

<400> 926
 gactgagctc tctggcacag ctggctattc tcattctcaga agaaaggaga agagactttc 60
 tgaagatctg gtagagaaga tagaagaaat ttggaataca accaaaaggt acagcaaggg 120
 acatttaatt ttgcatgttt atgaattgtg acacttgtgc aaatgtgtgt atggtttgtt 180
 cccaaactgt cgccgtagca acaggtcttg gcactggagg ctggtccagc ctactgcttc 240
 tttccactcc tgcacccacc ctgcttcagg ggtccctgag cctgtggtca tttctgcctt 300
 ggggggtccca gctcctaact tgggagcaca cgcgcacgca catacacaca cgtacacaga 360
 ctctgttctc atccaacagc agatccacag ccttcgtaag a 401

<210> 927
 <211> 407
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 285
 <223> n = A,T,C or G

<400> 927
 gactgagaac cagcagagcc cgtggcggac agacagagac atggggtttga tgaatgcaat 60
 tgggctgcag cctcggaacc caaccacctc tgtgacatct cagggcaccc agactctggc 120
 cctccagttg cagaacgctg aaacacagac tgagagggag gaagaggaaac caggggcagc 180
 atcttcaggt cctggtgaag gcgaggggctc agaatatggt ggcagtgggg aagatgccct 240
 cagcaggatc cagaggctga tggccgaggg tggcatgaca gctgnnggtac aacgggaaca 300
 gagcaccacc atggcctcca tgggtggctt tggcaacaac atcatcgta gccaccgcat 360
 tcaccgcagc tcccaaacag gcacagagtc aggggctgct cgtacct 407

<210> 928
 <211> 285
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 40, 47, 56, 84, 96, 176, 180, 204, 211, 216, 219, 230,
 232, 237, 241, 249, 258, 263
 <223> n = A,T,C or G

<400> 928
 tccaggaggg tgggtccanct ggcaagcact gcagctctan atattanaga tgcggntgtc 60
 tcacgctcta gtcttctaca caanttaact ctgtgnggca ttgtcctagc tggaaagcct 120
 ttttcttttg ttctctgccc taagcagggg tacctctgga gccagaggtt cataangttt 180
 ttctggaaag gatctagatg aacngaggtt ntttancang gggctggaan cnttggnttt 240
 nataaaaant tgcctttngt ttnaaagaag gcttggtttc aaagg 285

<210> 929
 <211> 369
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 258, 341
 <223> n = A,T,C or G

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```

<400> 929
accactgtat aaatgggaag cagctttcga ggctacagcg gaatgtgatt ctcttcgtct 60
tgggctttct gattctctgt ggattcctgt actctcttca tacggctgac cagtggaaag 120
ctctgagtgg cagacctgca gaagtagaga agatgaagca agaagtcctg cctgtcttac 180
cagcgcctta gaaggaaagt gctgaacaag aagggtttgc agacatactc tctcagaagc 240
ggcaaaggca ttttcggngg ggccctcccc atctgcagat taagaccccc caacacagtc 300
tccaaggatg ggatgcagga tgatgctaag gagaagagaa ncagccctgg ggaaggctca 360
gcaaggaaa 369

```

```

<210> 930
<211> 416
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 221, 282, 352, 357, 386
<223> n = A,T,C or G

```

```

<400> 930
gactgagtca aggtgaagag aatgggattg actgcagcca aggagacaag cctgcggagc 60
ggggcaagcg ggcccagaggc agaggatttg gacgtggcag gggcagaggg acaggaaggt 120
tctccgctca aagcatgggg acattcaatc ctgcagacta ttcagagtcc atgtctacag 180
atggctgtgg gacaaagttg gcagtttggg aagctgctca naatggtaca gatgagggac 240
cgggattgtg agtgtgtaca cacaagctgt ggagggcaga anactttccg ctagtggatt 300
acaagagtgt actcaggatc tccggcccta atggtttgat caccaatcca gnggaanca 360
acttttattc cttaaaacca attacntgaa ataaaaatta tcataagcat taacct 416

```

```

<210> 931
<211> 444
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 417, 420
<223> n = A,T,C or G

```

```

<400> 931
agactgagct gcccaatatg ttcggcgacc ttcgggtccac atttattgcc ttgatgattg 60
gacctaagc ttcctcagca gttaccttcc caggaatcaa gctcatctac gacgctggcg 120
cctccttcat tggcatccta gtggtctggg ctggctgctc tggcctgggt tttttcaact 180
gtttcttcaa ctggccactc gagcccttcc cagggcccaga ggacatggac tactcgggtga 240
agatcaagtt cagctggcta ggctttgacc acaagatcac aggggaagcag ttctacaagc 300
aggtgaccac agtggggcgc ccgctgagcg tgggcagctt tatgcggact gccaaggagc 360
aagccgccct gcaggagggc cacaagccgg ggtggcccct gggggaccct ggagggnaan 420
gccacctgat gctttaacgg gccc 444

```

```

<210> 932
<211> 174
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 24, 25, 27, 28, 35, 57, 63, 64, 89, 156
<223> n = A,T,C or G

```

```

<400> 932
tccaaaaggg ctggagaact tacnngnga tgagngtgga gcagagtgat caccatnatt 60
gcnaacca cgacagttca agatcccang actggttcct gaacagacag atggatgttg 120

```

- REPLACEMENT COPY -

aaggatggga agtacatgcc aggttttttg ccaacnggtc tagacaacag gctg 174

<210> 933
<211> 103
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 61, 73
<223> n = A,T,C or G

<400> 933
ctctacacta gacgggagat gctgccaagt gccccagacg ggatcaagac tccagtgaca 60
nccataagat tcnctaaagc taagacactg caaaaagaaa aaa 103

<210> 934
<211> 184
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 23, 46, 47, 52, 54, 58, 66, 92, 97, 98, 108, 112, 116,
138, 147
<223> n = A,T,C or G

<400> 934
gggagagtca tggcaagcan gcnccttgga caaggacact acagtnngaa cncnttcnac 60
tacaancgga agtcaaggag aactgaaagt gnctccnnga accctganat gnaaanctga 120
gaagagtgcg gcgtgcanaa tgcttcnctg gatgtttttt tcctctattc tcacagacaa 180
ctgg 184

<210> 935
<211> 324
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 207, 236, 237, 241, 248, 249
<223> n = A,T,C or G

<400> 935
tgaggatcag accaggcttc tttgggtctt gtctagagat gtcnacaac acctcaccaa 60
ccaagaagat caacgggcag aaatgacccc accatcaccg tactatccac agagcaagat 120
ctccaagaag gatacttatg acgcagggac agccacccag accacgtgag atgccaggac 180
ttggaagggtg ccaaccaaga agatcancgg gcagaaatga ccccaccatc accgtnttat 240
ncacaganna agatctccaa gaaggatact tatgacgcag ggacagccac ccagaccacg 300
tgagatgccg ggacttgga ggtg 324

<210> 936
<211> 127
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 29, 31, 60, 72, 83, 86, 87
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 936
 ttgaaagcct ttggtgatna cgcctccant nctagacggg agatgctgcc aagtgccccn 60
 gacgggatca anactccaat ggnagnnata atattcccta aagctaagac actgcaaaaa 120
 aaaaaga 127

<210> 937
 <211> 218
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 32, 40, 47, 67, 117
 <223> n = A,T,C or G

<400> 937
 agactgagga ttggtggaca naactggcag tncctctaccn agcagtncaa cccctttgcc 60
 agatttnagc ttccatgtgt gcacatttag aaagtgatgg acagaactca ccagagngat 120
 cctcaacctg agacaaccaa cagtgaagtg tggagagcca aactgaccca aggcttgctt 180
 agagtaaata taacttgggg taaatgtaaa aaaaaaaa 218

<210> 938
 <211> 265
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 108, 152, 153, 154, 173, 179, 207
 <223> n = A,T,C or G

<400> 938
 actgagatct acccagcatg aaggctgtgc ttctcctcct gtgcgccttg ggaaccgctg 60
 tggcaatccc gatgaatggg agccgggttc tgacagctga atcatcanaa accaagctct 120
 atcaccttga tcaagcagtt cacgggaaac annnaattta tgacagacgc tangaacctt 180
 gcctaactca tgtggagcag tcccgtnagag ttacacact gtactctgaa attataaata 240
 cgggacaaac taacataaaa cagtt 265

<210> 939
 <211> 356
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 73, 284, 307
 <223> n = A,T,C or G

<400> 939
 agactgaggt acctgtagga gaccagactg tgggaaacca gaccttcaac agctcccacc 60
 ctgagaatca atngaccctt tgttgggagc caagccaccc ctccttcaca caaggctgat 120
 cagctgatca tgagaaccaa ctgacccttg tcctggccag acacctgggg ctgtttgggt 180
 ggatccagca tccaaagata agccacaaaa tgtttcaagc ctgcactcag catctgcccc 240
 agatgttggg ccctctctct gtgctttgat cattccccct cagnccctcc ctatttcctc 300
 tcactgngtg cttataatca ggctttcagc ttccattaaa gtagaccttg acaacc 356

<210> 940
 <211> 124
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 20, 69, 89, 99
 <223> n = A,T,C or G

<400> 940
 ctcacccatg atcgcatatn atcctcacia cagtaccaga tagtgggggtt tattacgccc 60
 aatctccana tgggtggaact gaggttcang ggtaggttna ctgccctgag atcaccaggc 120
 aaaa 124

<210> 941
 <211> 249
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 27, 31, 47, 91, 135, 162, 165
 <223> n = A,T,C or G

<400> 941
 cctgcctggc tcttgnttgg aagacangga nacttagatc tacttanaga aaaaggcaat 60
 tctgaagatc taccatcatc taatcccttc nagtcagggtt tgagggccag cagagatgac 120
 tggaaacccat gctgngggag gagagaacca actcctgccca gntgntctct gacctccaca 180
 catgtgccac agcttgtgca agtgtgcact cacctgaata aatgtcattt taaattctaa 240
 aaaaaaaaaa 249

<210> 942
 <211> 113
 <212> DNA
 <213> Mus musculus

<400> 942
 gtgttaagtt ttgatccctt tacgggagat gctgccttgt gccccagacg ggatcaagac 60
 tccaatgaca accataagat tccccttagc taagacactg caagaaaaaa aaa 113

<210> 943
 <211> 430
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25, 30, 31, 36, 42, 54, 76, 77, 84, 97, 123, 144, 179, 216,
 221, 227, 228, 246, 249, 251, 257, 260, 280, 281, 294, 316,
 323, 334, 356, 366, 378, 381, 385, 388, 389, 406, 414
 <223> n = A,T,C or G

<400> 943
 gatggctgat gagtcccagg tgatnagccn ntcgtnccgc angaccacgt tggngttcac 60
 cggctctgaa gactcnnatc cggncctaag agcaaangag gatgatgaca ggcgcttgct 120
 ganggaacct gactgactta agtnctggac tgcttactga caatgccctg tgtctgtcng 180
 attcaatata tttggcaaga gggaccatt ctctgngagt ntggaannac ttccaatgta 240
 cccatnttnt ntaccangan gtccattttt atatgaacan nctatgaacc cctntcaatc 300
 cacattagct taattnccaa gantaaaaac agancgaggg gtggccagat ggctcnacca 360
 gtagtngaaa aaagtggncn nggtnatnng accgttcttc atgcgnattt tttntgtatg 420
 gtggctgcat 430

<210> 944
 <211> 159
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 38, 44

<223> n = A,T,C or G

<400> 944

```
aattaaacct agaagagctt gggntcaaaa tgtcattnac ccgntcga cgcggcgca 60
tcaagttcag gcaaggcggg caccactgg catcagggtcc gagtggtcca ccagaacgtc 120
ttccccaact tcacggttgt caacgtcga aaaaaaaaaa 159
```

<210> 945

<211> 295

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 40, 45, 57, 98, 99, 109, 134, 140, 154, 161, 167, 178, 180, 181, 191, 193, 207, 238, 239, 243, 249

<223> n = A,T,C or G

<400> 945

```
agtgtctcac aggagctcac catnagcctg gagaagctgn aaaangacaa gagcatncga 60
ggggtcatcc tcacgtcga atgcccgggt atcttctnng ctgggctgna cttgctggag 120
atgtatggcc ggancaccagn ccactatgct gagnaactgga ngaacgngca agagctgngn 180
ntgagactct ncncgtccaa catgatntta gagtctgcca tcaatggagc ctctccannt 240
ggnggggtgnc tcttggtctt ctgctgtgac tacaggggta tggctgacaa cccca 295
```

<210> 946

<211> 261

<212> DNA

<213> Mus musculus

<400> 946

```
acagactcga gtagttgcac tttgctccat aaacaagaca tgaggactat acccagagta 60
ctctcgtgcc ttagaagacc ccagagaagc agaacgttat cttgaatggc tccagcaaaa 120
tctgtgtggg caactgaaat gtaagtcggg tgggtgaatcc tgctttcatt agttcagaga 180
tccccataaa ttggaaagag aatccagtga aattggtaaa ctatttcaat actttaataa 240
agccctgaat ttatacaata g 261
```

<210> 947

<211> 144

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 44, 113

<223> n = A,T,C or G

<400> 947

```
tgagggtccag gtcaaggcct cgtcccgtc acatagtaga agcngtgaaa gatccagtca 60
cagaagaacc cgtagcaggt ccagggacag agacagacgt aaagtccggg acnaagagaa 120
aagagaaaag gagaagaaaa aaaa 144
```

<210> 948

<211> 115

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 16, 24, 51
<223> n = A,T,C or G

<400> 948
aaaacacctc cagcanccaa ccangcatct gaccctgagg aaaaagggaa ncctggcagc 60
atcaagaagg ccgaggagga ggaagaaatt gacattgaac ctctaaaaaa aaaaa 115

<210> 949
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 413, 414, 415, 417, 505, 513
<223> n = A,T,C or G

<400> 949
ttagactgac gataaaccgt ttggtgagag ccatggcact caaggtccta cctctacaca 60
ggacggtgct cttcgctgcc attctcttcc tactccacct ggcatgtaaa gtgagttgcg 120
aaaccggaga ttgcaggcag caggaattca aggatcgatc tggaaactgt gtcctctgca 180
aacagtgcgg acctggcatg gagttgtcca aggaatgtgg cttcggctat ggggaggatg 240
cacagtgtgt gccctgcagg ccgcaccggt tcaaggaaga ctgggggtttc cagaagtgta 300
agccatgtgc ggactgtgcg ctggtgaacc gctttcagag ggccaactgc tcacacacca 360
atggatgctg tcttgcgggg actgcctgcc aggattttac ccgaagacca aannntnggt 420
tgttttcaag acaatggagt ggtgcccttg cggagacca ctttcttccc tacgaaacca 480
caatttgga atgtggtgcc aaggnggcag canacctttt aaaaaaaaaa a 531

<210> 950
<211> 241
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 47, 63, 89, 109, 133
<223> n = A,T,C or G

<400> 950
cgtgtgaaga gctatggnga cagaagccca gcatcaactg ttaagcncca gaagggaagg 60
ctnatcgcca tccgggcgct gtctgctcnc accgaggaac ggctgcagnt cagttcctaa 120
gcactaagca tcntatgagc atcttagcag ttttacttca cattctcaca tttgttttga 180
aaaataactg ttcaaattat aactgcagcc atttcagaaa gtggaaaatg ataaatatta 240
a 241

<210> 951
<211> 384
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 33, 37, 41, 67, 97, 100, 103, 105, 106, 124, 133, 148,
152, 160, 174, 180, 184, 187, 190, 193, 194, 211, 214, 219,
223, 226, 238, 248, 263, 311, 312, 324, 328, 333, 337, 349
<223> n = A,T,C or G

<400> 951
gaactgaggc tggactgggg natcatggtg gantgtnttc nggcctgac attgaatagc 60

```


- REPLACEMENT COPY -

```
tactatnttc ataggccatc agcatttgtg aagaaangtn ttngnncact cacgaggacg 120
tggnagagca aanggatgca caggaatntt cngagactgn attttcataa gcanaaaatn 180
attntanccn gannacctat gcatgccctt ntgnngggnc tgntgnttgc tcttctgngg 240
gctggaanat cccttctcct ggnactgttc tcacttctta gatttatatg tgacttgtgt 300
tgcattaaag nnttactgaa ctgngccngg ganggggnaca ggtatcagna ctaccaacaa 360
ccaacgggaa ctgctgctgc tgga 384
```

<210> 952
 <211> 232
 <212> DNA
 <213> Mus musculus

```
<400> 952
caggcattgg aggctccaag ggcccttgta aagacatgtc cattgcgaag tgaccagaag 60
agctacccccg aggactaatc gctaattgctt gggatagaag aggaagacct aagcatgcag 120
acctcccctg ctttctgcct ttctgtcaca gtgtgttcat catactcaag ggccagcaag 180
atgatccagc ggggtgtaaga gggtttcaac cgtgtgcacc tcccccccc cc 232
```

<210> 953
 <211> 136
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 25, 35, 45, 48, 62
 <223> n = A,T,C or G

```
<400> 953
cactgagctc aagactgagt ntgcncaaatt cttantaaaa gccantenta gtacagcttg 60
gngatacaac ccctaaaaaac agcacacca ccatgtttta cctcatgaag aaagataagg 120
acaaagatgg cgggcg 136
```

<210> 954
 <211> 409
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 109, 205, 249, 333, 334, 349, 382, 386, 387
 <223> n = A,T,C or G

```
<400> 954
tgagagttgt acccggcgtg gctggccaga ctgtcaaaga cgtaacgcaa agagtcctcc 60
tctaattttt ttctgccggg aatcttgga cccttggtgag acaaaggcng cctgtgtgac 120
tcctctgtcc aatagacact tctgcgactc ctgagggcag ccggtcgtcc ccgagccaag 180
gacaaagact cgcagcgcg ccaanggatt tatagcgacg tccccagct gccgagcttg 240
tcacccacng agcctgacag aaatgcgga tggatctgtt ttaacagaga agaaaaagca 300
ggccagtttt tcgttaaccc ccccgaaacc gannaagatc cgaaagttna agcattgttg 360
gggaaaactg gttccccggg cncctgnnttt cgtgaatgaa ataaaaaac 409
```

<210> 955
 <211> 398
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 28, 154, 248, 249, 256, 319
 <223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 955
actgggcca agagggagcc agattncntg acacggagac atctgtccag ccaccaaag 60
aaggtacaaa atatcacagc acctgctgga attccaactc atgaccttcg ggagaacagt 120
ttgtgtcctt gacgctaagc tacctgttct cagnttttac atttgacctt tgggcatcat 180
ggtgccctga ggggacaaga acaggatagg gaatctgcgc atgctcactc gccggaggcg 240
ggtttaannc gtgtgncaag tatttttctt tttggaagaa atgaagattt tacttaaact 300
ttataagaga tgagaaatna aaccacggtt tttctgggga gcacgaacgt gccccgcggt 360
ccctggcaaa cttcttcccg gttcttgccg caaaatgg 398

```

```

<210> 956
<211> 660
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 112, 372, 473
<223> n = A,T,C or G

```

```

<400> 956
actggagaac agcagcagag aaaagaaaag acagagccaa aggccttctg agtcaagcaa 60
agaacggaat gcaccccgca aagaagaccg cagcgccagc agcggggcag anggtgacgt 120
gtcttctgag cgggagccat agatgcggat gcaggagctc agcaaattac cattgggcag 180
aattggatcc tgaaaaatca agatgctaaa gccctacac tgctttaaga atttgggact 240
caaatatgaa aagaaaatca gaaataagac cctgggaacc tgaatatccc tgcagaaaaa 300
caccaaagga ccatttcatt ttgtgtattg ctgtgggtctg attggggtaa tgggtgctgt 360
gggatgggag antgcttgtg ggttcacacc catgctctcc ccatggagaa ggggccattg 420
gttttcttgc tttctaccat gtcttggtt gcttttgga caggctggcc tancatcatc 480
tgtcctcatc tgtgggtgtac tgtgagtctg tgatccatct ccagcacatg cctgctgtcc 540
actatttcca tcattgaatc acaagacagg gctgggtgtta gacaaccaat aataacatat 600
tgtttgaaac tttggcatct tgggtacattt tcctcttctt ttcctaaaaa ataaattaat 660

```

```

<210> 957
<211> 211
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 27, 33, 42, 104, 129, 151, 192, 193
<223> n = A,T,C or G

```

```

<400> 957
actgaccgtt ggaaggagag ttggggntct tcncagatgt gnaccctgaa aggctacccg 60
tgctcctgtc accagagcac aggaaattgg gaggagaatg tggngcaggg gatagaggag 120
ttggaatana gaaaggagaa aatgaagacg ngaccttggt ccaataagac ttcatttaca 180
aattaaaact gnntgaccca tgataaaaaa a 211

```

```

<210> 958
<211> 296
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 105, 107, 111, 112, 114, 123, 124, 126, 127, 131, 148, 155,
158, 160, 185, 196, 208, 209, 213, 219, 227, 256, 261, 268
<223> n = A,T,C or G

```

```

<400> 958

```

- REPLACEMENT COPY -

```
cactgagtgc atactgggtg tgggtgctgaa ccccgaggagt cctgaactaa acagaatata 60
cactgccctt caaagcctgg aggtccaggg gaggagagat agccnancct nnanaaggcc 120
cannanntgg nggtgacgaa gttgattngg aggcnaancn tgcctctgac actctgctca 180
tatgncctcc tgccgnattc ccaagtcnnt ctntatccnt atgcggncaa gagagatccc 240
cgtccgatga ctctnngtgt nccatggngg ggacactgcc caatgagagg gtccag      296
```

<210> 959
 <211> 222
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 43, 45, 48, 49, 59, 72, 81, 93, 118, 120, 126, 129, 135,
 153, 154, 159, 163, 166
 <223> n = A,T,C or G

```
<400> 959
ttcgaacata tcctttcaag caccantatg attctggatt atntngcnnc tgtactttna 60
aagtggcggg ancagagggt ngaaattaaa gcnttattaa gtacattgaa ccttgganan 120
gcctgnacna cctgngaggc cactccttga aannctgtnc cantgncct gtcccaccgc 180
caaaaaaata caccacaaat aaaaacctga accaaaaaaa aa      222
```

<210> 960
 <211> 248
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 22, 80, 82, 86, 87, 142
 <223> n = A,T,C or G

```
<400> 960
ctctttcttg ccgcagngtt gnccgcgttg gtgaccggga gagagtcttg agcggttttg 60
gagaggtttg gcggcatcan cnagcnccc tgaccctccc actggatcca caaaccagct 120
gctacccacg ggaggtgatc gngctcaggg ggtccaggac ttggaaggga cagatctgaa 180
ccttttcaaa gttgctttct cctccaagcc acaaggcctg gccaccccaa gcaaagaaag 240
gaatggga      248
```

<210> 961
 <211> 208
 <212> DNA
 <213> Mus musculus

```
<400> 961
ctgaggctaa aatgaaatgg tggttctaag tcctcgactc tgagagaagg agaatggaag 60
tcaacaactg cccatcaagg gttgattccc cacagagggg aatgggatgg ccaagtctca 120
cctgcatgta cccaagaatc tgtggcacac ggtaaagaga gctgccattt ctctgccacg 180
agaagcagtg acaatggaaa aaaaaaaaa      208
```

<210> 962
 <211> 121
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 77
 <223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 962
aaagaagagt gtgaaacaag aagcaaagat cgggttggaa gagggcaaag aggaaagggg 60
gggatggaag gaaacctgac agccaccaac acaataaact gtatcctgac caaaaaaaaaa 120
a 121

<210> 963
<211> 155
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 58, 74, 76, 83, 123
<223> n = A,T,C or G

<400> 963
ctgaggcgga gtcaggatcg agtgtctgtc nccccaccgc cttcacccca acttcgantt 60
tggccaccaa ctgnanacac ctnaaccccg gtatctggct gagggcactg actgggatct 120
cantgtggac gccggcttga gtcctgcctt ctgtg 155

<210> 964
<211> 150
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 95
<223> n = A,T,C or G

<400> 964
aatgtttacc cttgcggaag ttgcttactt aatgacattc agccaactta ccgaatcctg 60
aagccatggg gggacgtgtt tatggattac ctggnagtcg ttatgctgat ggtagccatc 120
tttgcaggga ccatgcaact taccaaagat 150

<210> 965
<211> 304
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 17, 20, 28, 30, 33, 36, 40, 46, 53, 54, 56, 63, 66, 73,
80, 90, 92, 101
<223> n = A,T,C or G

<400> 965
tgccggaacc gaacgnngcn cctctcgan agnagnaagn gctcanctgg tgnntnatct 60
ctncanccga canaggcttn tcctgctgn tncgtttaga naccgtaac tgctcaacat 120
gcacacagta agctaccatg gaggacctcc ctgcccctgt gtggtcacca ggagcagagg 180
acctgccata tccttctcag tcttgggagt ggctgctggg acagtgggtc ccatcccacc 240
tggtctgttt cacctggcct ctgaaactcc aattttctaa agaccaaacc caacaaaaca 300
caaa 304

<210> 966
<211> 107
<212> DNA
<213> Mus musculus

<400> 966
tccaggagcg taatgtccag gtgttcctca tctctggtgg ctttcggagc atttgtggac 60

- REPLACEMENT COPY -

accgtgctgc aaagcttcaa tatccccaac aaccaaatgt gtttgct

107

<210> 967
<211> 238
<212> DNA
<213> Mus musculus

<400> 967
cgaacctctc tggatacatc gtcaccggta aacccagagg tgggcctcct aggcccaaata 60
ccagtcaact ggacaatgaa gatcacccat cacatatata ttgggactta ttccgactat 120
tcctgtgttg tcttttgcac tactttcttg gtttatttct ttattgattt gtctgctcca 180
ttgaatcctt ttctctgagt ttgtgtgtgt attacaagtt ctgtgccaaa aaaaaaaaa 238

<210> 968
<211> 184
<212> DNA
<213> Mus musculus

<400> 968
ctaagtaatg gtcaagactg aggggacgtg gaacacctgc acaaactgga tttttgccct 60
atcacgactc tgaggtacca tccggcaact gaagtgtcct ctttccaata gaatgcctgg 120
cctctccac caacttcacg gttcagccgg aatgaaattt ggctaacaag tcaaaagaaa 180
aaaa 184

<210> 969
<211> 144
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 108
<223> n = A,T,C or G

<400> 969
gatctgctct tggaagagtc gaatgttcaa gccagtgtca acgccagtaa cagtgtgtgg 60
tgacatacac ggacaggtaa atttcacaac gaagtttttag gacttgtnct atcagtgatc 120
cacttgcttc caacttgtgc tgca 144

<210> 970
<211> 325
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 29, 69, 163, 201
<223> n = A,T,C or G

<400> 970
ttaccttgaa cattggncat taatgctcnt tgtgactcat ctcaaaagaa gaactttttg 60
cgcaggtcng actcttctcc agccagaggg aagaatagca tctcccgagc atcctgcttt 120
gtgttctgct gcctttgaag tcagttgggt ggcttttcat cantggaagt gaggaaggag 180
gaattcatcc catcacatca ncacacttta gtgaagcctt tctgaaaacc tgtctttctc 240
cactggtaga cttggattgg gagaagattg ctttcaacgg gtctgccttt ggaaatcatc 300
gtcttctccc taacctgaga aagca 325

<210> 971
<211> 154
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> 25, 40, 65, 70
<223> n = A,T,C or G

<400> 971
acagcatgac ctgcgctcct ccatnatagg ttatataccn agagctcact tctactacct 60
gaaanctgan tttggtctca aaatctcaga tgttgcctca ctgattaaag caatcagtgg 120
cctgaaggtc actgcggtcg gtgaaaaaaaa aaaa 154

<210> 972
<211> 256
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 38, 50
<223> n = A,T,C or G

<400> 972
agactgattc cccagctttt cggctgacct gagcaganag agaggaaggn cgtcagcctt 60
cacagccatg gccatcagca tcagcaacac catccatcct actgccatca cttcaagatc 120
tcattcaacc ccaggggagc tctgagggaa tcaaggccct gctctccaga tggaaaaatc 180
cgggatttca agggactcag gctgggtggg ttagtgacct catagataaa ccagcactag 240
accatgaaaa aaaaaa 256

<210> 973
<211> 130
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 45, 87, 91, 92, 94
<223> n = A,T,C or G

<400> 973
gactgaggtg ggcaccctgc agattcctgg cttgnttgta ctctnctccg accgacgcga 60
ccggagaaaag agaaccctgc agtgcanctg nntngatact gaatatcgat acgcgacatt 120
ttgaaatata 130

<210> 974
<211> 356
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 146, 154, 187, 210, 223, 284, 325, 334
<223> n = A,T,C or G

<400> 974
caactgagac tgaccagcac agagaaaagta gctacctacg acagaaaacc tttccggaag 60
aagttaacta agatcggccc gcctgctccg gagacctcat tcgttccgct gagttccaaa 120
cccggaggaa gccccaagtc aggacngcca cggncacaca caagaaacc accaattcca 180
tgccggntaa gtggcactgc gcctgcgcan gaaggcaggc tgnggggtgga ctcgggctcc 240
ctgcgggaaa acggaaccgg ctgaaactgc gttccgtggg tcanagtgcg gcggcggctg 300
gagaccaaga ttcgtggtct agcgnngaaa cttncaccca tactgccccg tctcct 356

<210> 975

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<211> 164
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 91, 92, 96, 97, 98, 104, 121, 127
<223> n = A,T,C or G

<400> 975
atctatgagg catgactcat gtctcaatca natctgctta cccccagttc tccatggaat 60
tagatggcgc tgtcactacg attaaagcctg nncctnnnat ttgnaatgat cactatgctt 120
naagatntcc atgtcaacaa gatctccatg tcaagatcca agtc 164

<210> 976
<211> 166
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 78
<223> n = A,T,C or G

<400> 976
gactgagaga atggcattcc ctgtggattt gctggataac tgcacgcatg atatttgcct 60
ttcaagcttc attcaatncc actccagcca tactgtaact actttatggg aacaaaatga 120
gctctctttt gcagacttag ggaaatgatt aggaaaataa aaacaa 166

<210> 977
<211> 426
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 36, 45, 60, 69, 70, 150, 207, 304, 312, 326, 338
<223> n = A,T,C or G

<400> 977
agaactgagg ttatgagana gaacagatga tgttttnagag aaaancctcg ctgggcagan 60
tcaggagggn agtgagaacc atcttcatca accaagcctc agctgacaaa attctgcaac 120
aaccacgtca gtactgcaaa atacaaccgn gatcacattc cttccgaggg tcctctattc 180
tcagttccca aagagcggct aattcgntct ttctctttat tgccctgctc cagcaaattc 240
ctgatgtgtc gcccgacctg gtcgttacac aacactgggt cctctcttat ttatttttag 300
ctgnngctgc tnttaaagaa gataantaga agatattnaa cgacacaagg ctgataatgc 360
tgtgaacaag aaacagaccc caggttttga gaaatggggc ctgggggaaat tgggtcactgg 420
ggaaaa 426

<210> 978
<211> 292
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 220, 229, 233, 265
<223> n = A,T,C or G

<400> 978
tcggtacaac agaactgcnc gctaagctgc cgacgcttac gctcctgttc cgaggtgtct 60

- REPLACEMENT COPY -

```

caagaactga gccgacggga cgggacggga cgggacctcc acagccaaga ctcactggcc 120
tcacagaagg tctactgaca ttgacttcat tggtagcacc tcactactaa caaacactat 180
tgtccttgaa attaaaatca gcgtcagcag ctctgatctn cgttttcana canaagagaa 240
atctgttttt cagttaaaat ttgtncaaaa gtcacaccct gaagttttct tt 292

```

<210> 979
 <211> 293
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 262
 <223> n = A,T,C or G

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<400> 979
acttgtatgt aaagtctccc ctcacgtggc cggttctgga gaaaagccca taacgttctt 60
gtgtactgtg taacttgatg gtacgtgttt gttagctccg aggcaccact tgttcaattg 120
cactgcccta agttttgggc cacatggggt gctaaaagta atgagatgct atataggagc 180
actaagtgtg ttctctgtgg cccactgcat tatgggtcag gatccctctc gggggaaatg 240
ttctgcaagg caatgttaat gntggcatga atggaaaaca ggatttacgt gtc 293

```

<210> 980
 <211> 400
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21
 <223> n = A,T,C or G

```

<400> 980
actgaggtgg tggacccaga ntgagtatat tcccaataca tctcgggagg ccagaatgaa 60
gcagggtccc aagaaatcca agatagtctt cagaggaatc gggcctccaa gcgggtgcca 120
aaggaaaaag gaggagagtg gtgtcctgga aattctaact tcacctaagg agtccacatt 180
tgcagcctgg gcaaggattg ccatgagagc agctcagtca atgtctaaga atcgatgtcc 240
tcttccgtct aatgtggagg cctttctgcc acaagccact ggatccagat ggtgtgttgt 300
ccatggcagg cagctccctg cagataagaa aggttggggt cgccctgcaat ttcttgctgg 360
acagacctgg gttccagaca ctccccaaag gatgaatttt 400

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<210> 981
 <211> 395
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 37, 38, 44, 53, 57, 63, 65, 70, 101, 104, 132, 143, 174,
 179, 356
 <223> n = A,T,C or G

```

<400> 981
aactgagac aacataatgc tgntggatac tcggctnnac cctnatgctt acncctngtg 60
aananatggn ttctgctacc tggatcccaa acccagtgca ncanaggcaa gaactgttgc 120
cacttgctga ancaagatgg aantatttgt ggacatggct gagcttcgac tctnacttna 180
gtgaccgcgc ctctgctgct gttgaaggag cactgggaag tactcaaggg agtagtgaag 240
gctagacttc ctaagtaaaa caagctgaaa acgacaacta cctgccatct aagaagaaag 300
cctgctggcc ctcactcttg actcagctcc tgtttccagt cagcatggag ggatcnaggt 360
gggaggtggg gtgatggtgt ctgctctggt ctaaa 395

```


- REPLACEMENT COPY -

<210> 982
 <211> 118
 <212> DNA
 <213> Mus musculus

<400> 982
 tccagggatc cagcaccatc ttctggcctc cacaggcacc gggcacacac gggtagacat 60
 gacattctta caaccggaat acccatacat gtaaaatata atttctaaaa ttaaagat 118

<210> 983
 <211> 260
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 236
 <223> n = A,T,C or G

<400> 983
 ctgagaaagc ggtggagaaa gaactggatg ctctttttgga acagcagAAC accattgaaa 60
 gtaagatggc cactctccac aggatggggg gagtatgtac cacagcaaaa gttgtacatt 120
 ccagtaggac cacaggataa agttagtttt cctagcccca tagtccagtc tcttgggaag 180
 ctaaggtggg aagcttgctg caaagtctga ggccagcctt gggtatagag caaggnactg 240
 tcacaagaaa ggaaaaaaaaa 260

<210> 984
 <211> 326
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 30, 42, 43, 44, 45, 55, 56, 60, 68, 73, 78, 80, 81, 82,
 87, 88, 89, 101, 110, 112, 113, 140, 144
 <223> n = A,T,C or G

<400> 984
 actgagcctt tgaccttcag ttctgngttn ggccaggtat tnnnntgtct ctganngtgn 60
 cccaccanag aanagagntn nntaacnnt gccttcctga ngataaaan gnnccaaaag 120
 ctggattttg ggcaaggggn cctntgggac ctaaaacaca ttgtaggcat cctgtgcagc 180
 tacagccagc aggggctgga acctgtagca cctgagtaag gcaaattggac aacggaggag 240
 ccgcagcagg tcacaccagg aaccgacgag gtctgtttga attcccctg ggaaataaaa 300
 catccagtca acttcaaaaa aaaaaa 326

<210> 985
 <211> 387
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 32, 53, 67, 70, 78, 83, 87, 101, 111, 115, 120, 123,
 124, 127, 180, 230, 233, 289, 295, 330, 333, 366
 <223> n = A,T,C or G

<400> 985
 attgcggctt atgacaaacn cgtacctaaa gnaaagtgat gacaatgatg cangacctat 60
 atgatngcn tggacgantg ccngggnaat ctttgatgca ntttcttaaa nggtnacacn 120
 ttnntcnttg gcttcgatga ggctgagctt ctggcaaagc ttgaggaatt ggagcaggan 180
 gaattaaata agaagatgac aagcctggag cttccaaatg tgccgtcctn gtncctccca 240

- REPLACEMENT COPY -

```
gcacagccca gtaggaaagc cagcatgccc tcctccgtgc accggtctng aacangcatc 300
ttccaggagg gcacaggaag atgatgactn canacaacta gcacttgggc cctttaaaag 360
ctacantggg aaacacttga cacctaa 387
```

<210> 986
 <211> 542
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 521
 <223> n = A,T,C or G

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<400> 986
tgagataaac gtgtagcata ctggccgctg atgcagtctc catggccaac gataagcata 60
agcacgctct atctcctgtt cgtgtggctg ggtccaaagt ggatgaaaga ccgcgagccg 120
ttccaaatgc gcttagtact cataatctat aattttggca tggttttgct taaccttttc 180
atcttcagag agctattcat gggatcatac aacgcaggat acagctatat ttgccagtca 240
gtggattatt ctaatgatgt taatgaagtc aggatagctg gcgccctgtg gtggtatttt 300
gtatcgaaag gcgttgagta tttggacaca gtgtttttta tcctgaggaa gaaaaacaac 360
caagtctcct tccttcacgt gtaccaccac tgcaccatgt tcaactctgt gtggattgga 420
atcaagtggg tggctggagg ccaagcgttt ttccggggcc cagatgaact ctttcatcca 480
tgtgatcatg tactcctact atgggctgac tgcgttccgg nccctggatc caaaaatata 540
tt 542
```

<210> 987
 <211> 293
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 34, 35, 42
 <223> n = A,T,C or G

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<400> 987
attggtacga ctccatngag aatgcaagac cctnnccctg cngtgcagtt ctcaaactta 60
ccccggattg acttcagtag catagctgtg cctggcacgt caaaccacca acagcgccag 120
ctgcccagaa cccaggctca gcactcatct cctggggaaa tggcatcttc tcctcaaggc 180
ctagacaacc cagccctgct ccgagacatg ctgctggcca acccgcatga gttgtccttg 240
ctgaaggagc gcaaccacc cttggcgga gcttctgctc aattggaaaa tcg 293
```

<210> 988
 <211> 397
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 38, 50, 54, 66, 90, 100, 121, 132, 135, 167, 175, 179, 191,
 206, 214, 377
 <223> n = A,T,C or G

```
<400> 988
gaactgagag ctttcctggg caccgcctcc ctgctccnaa caccacctgn gatnccaaag 60
caacantctt acctccctgg gtgattgagn caccctgcan gcagcatgtg ctgctgatga 120
nagctcggga tngcnatcat gaatggtctt ggattccaaa cctgcctgtg gtcantctng 180
tatcaccgac nacgacaaca caaaangttt ctgncttgct tttgtcatct gtaagatgac 240
gttcacaaca gcacagtccc agcgctacca cggccccaac agagtcagct gtactcaaga 300
cagaggaaga cgccatgatg tcaactgtac tgatggatac ctaggaatct aagatgaggg 360
```

- REPLACEMENT COPY -

ctgggggagat ggctcangtg gcaaagtctt gcaaaca

397

<210> 989
<211> 140
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 43
<223> n = A,T,C or G

<400> 989
caaactcggg agtgttgagg ctttgcgtag atgtctgaga tangggcctg gctccacccc 60
aggaagggag gccaacgtca ctaacactgt atgtgcaa atgtcgcaata aaacactttc 120
caactttgta aaaaaaaaaa 140

<210> 990
<211> 111
<212> DNA
<213> Mus musculus

<400> 990
cagagcctgc taggcctctt ccctcccaaa acagccaacc ccaaaagaag gaaggacgat 60
tcagcatgct caaccaaata ttctgcaaaa ataagaagaa aagcaaaaaa a 111

<210> 991
<211> 107
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 34, 44, 81
<223> n = A,T,C or G

<400> 991
ccctgggggtg ttggaaccga tcatgtgaac ncanggggtg attnaagccc tggtaagcgg 60
gtttgaggga tgactcagga nccaggagaa ctatttgtgg ggagatt 107

<210> 992
<211> 184
<212> DNA
<213> Mus musculus

<400> 992
aatggacaca gttttgtgca tatggaacat gaaaaggctg ttttactact gaagagcttc 60
cagaacacag tagacctagt tattcaacag tgagctcact gtctaaatgt tttttataaa 120
tagtgaagat atgtcaggcc agaactaatg tttaaaaata aatttataca tagaaacaaa 180
aaaa 184

<210> 993
<211> 162
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 124
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 993
gactgagggtt tctgaacttg ttcattggctg gattttttaa aaatatattc aagatttcct 60
gttaccgaaa tgtaagtga aagataaaaa cctctattgg ttcattccat tttattctat 120
tggnggatta aagtattgaa ttttttagtga ttaaaaaaaaa aa 162

<210> 994
<211> 243
<212> DNA
<213> Mus musculus

<400> 994
aagtggatcc acacctacac tactgtgtag gctgacacct ggatggatgg tatatgaatg 60
ctatgaatca gagtcaccta gctaggccaa tcccagaacc ccgaccgtct aaaaccacag 120
atgtttgttt tgtcttgaga ctgtgtaact caatttgtga attgggtgctt agttcccttg 180
ccccttgagc ctcacacagg ctcgaactta atgcatgcag cagcatgcct gatataactca 240
tta 243

<210> 995
<211> 145
<212> DNA
<213> Mus musculus

<400> 995
ctggggttggg aattgaacac aatacttggc tgtaccttca gccctagacc cggcttcaga 60
ctccggctcc gcgattcatc agccttgtga ccttgcacaa atcatttgcc tttatgaaat 120
aagtctcaca tctgaaaaaa aaaaa 145

<210> 996
<211> 199
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 28, 29, 45, 51, 80, 94, 107, 110, 121, 122, 127, 133,
145
<223> n = A,T,C or G

<400> 996
tgacaactga gatattggaga nctgacannt ggggacattg ggggncacgc ngagctacgg 60
atacaatagt aatgtattcn ttcaagcctt tcancagaaa acaccgnggn tggctgtgca 120
nngctgnctc tgntctgaat cgaanggata atggctactt cctgattaaa gccgggtccac 180
cgtaagcaga aaaaaaaaa 199

<210> 997
<211> 237
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 138, 149, 172, 209
<223> n = A,T,C or G

<400> 997
ggggattgca ctggatcact tttggggata tcatcactgg actggtttga cccactggct 60
gccaaagtga ctgctgctgc tgctgataca tgctgggtgt gttctagtgg actgctgctg 120
ctgctgatac atgctggngt tggtctagng gactggattg ctgacgatga anattggaat 180
aaccaccaag aactatttat aaacaggtn tacaacctgt tcctattaaa aaaaaaa 237

<210> 998

- REPLACEMENT COPY -

<211> 440
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 231, 295, 327, 345, 355, 394, 402
<223> n = A,T,C or G

<400> 998
gactgagatg aagacatgca tttctggtgt ccctcactgc aggaggtcaa agaggtgttc 60
aagcaagcct gggagcctac aaccccgccc tgtaccaca ggggcccttc cagcacagcg 120
caaggggtgct tgagagtgag gccagcctgg attcacagga tcctccccag gaagtggcct 180
tggacattaa gttgaactac atctacaagt tcctgaccct gtgtctccta ntccggccag 240
tgtcctacac ggatgccagc atcttgatc tgatggagct gctgtgccgc gcaangcctg 300
gatgtaaggt tgtgcctgct gcccaanact gacctccagc aactnctgct cctgntgctg 360
gagagaatcc aacaatggcc tggaaaagct tcancccttt tnttgggcct taacttgggg 420
ggtgcgacca ccaccacaac 440

<210> 999
<211> 237
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 102, 107, 189
<223> n = A,T,C or G

<400> 999
ctgtagctgg tcattacatc tcccctttcc cgacattcct ctgaaggcgg actgtaaaga 60
ggaacatgaa attcttgagc cattccatcc agtgcgttga anttttnaaa aggcttggtc 120
ctgttctctc tcaccacaac ctgaatatct tctgagtttt atgggatttt ctgtgacagt 180
gaagtttang ttaagatggt aacactgtta ttaaaatagc tattacacaa aaaaaaa 237

<210> 1000
<211> 189
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 40, 170
<223> n = A,T,C or G

<400> 1000
gactgagaca acacctgagg tgaaaactan acccagaagn gcggggcgtgc gcgtctcgaa 60
gtcagccata acaagcatct ggcttgattt tggggagggg acgattctcg attcttcggt 120
caactctttg gagctcccct ctcaagcaaa ataaaccaat aggaatgagn gtttatattaa 180
aaaaaaaaa 189

<210> 1001
<211> 348
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 44, 50, 79, 90, 93, 110, 137, 183, 192, 202, 203, 206,
210, 214, 220, 221, 223, 241, 259, 264, 272, 278, 279, 281,
288, 294, 304, 307, 312, 316, 318, 329

- REPLACEMENT COPY -

<223> n = A,T,C or G

```
<400> 1001
gccatttaa gacactngtg agccctgggtg aaatcgaccg aacnctagan atgttgacat 60
ccaaagaaca ctgacgccng aacaaaggan aanagtgcct gcgatctttn aacctgtgtg 120
acgccaaaat tccgacncgt ccaccggcct gtgaagtgcg cttgcgcgaa ctgggctacc 180
cantaaaact gngttggacc annggntcan aggntaaan nantgactac tctttgcgaa 240
nggctgagtt cagatcccng caancacatg gnggcttnna ncattcgnaa cganaacctt 300
tacnctnttc tnaggngnct gggaacagnt tcaactggact tacctata 348
```

<210> 1002

<211> 263

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 203, 208, 209, 214, 220, 223

<223> n = A,T,C or G

```
<400> 1002
cagactgaga attttcnatt tgtccctgaa cgaacgctgc ctttctgcat cgttgggttg 60
caagtactgg cgtgaccttt gcttagattt ccagtttttg aagcagctgg accttagtag 120
tcgtcagcag gttactgatg aattattgga aaaaattgcc tccagaagtc agaataataat 180
tgagattaac atttctgatt ggngaaannt gacnaacagn ggnggggggtg tgctaacatg 240
gaaaagtcct ggacttctta agt 263
```

<210> 1003

<211> 251

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 41, 49, 72, 74, 76, 83, 84, 85, 89, 104, 111, 121, 123, 155, 172, 175, 189

<223> n = A,T,C or G

```
<400> 1003
ttgaaacact gaggtggaat ganccttact tgttgactgg ntgctgatng gattcacttg 60
aaaactaacc tnananaacc tgnnngagng gaccagggct ttgnctcaag nagcagacgg 120
ncnctgtca ctccttcctc agcttctcga taccnccgcc gaaggtcctc anggnctcga 180
gatgaacgnt atcggtcaga tgttcataca gaagctggcc aggcagctct tgctaaacac 240
aaagaaaaaa a 251
```

<210> 1004

<211> 326

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 38, 103, 110, 117, 125, 127, 139, 147, 165, 176, 178, 181, 183, 188, 192, 215, 218, 247, 263, 273, 292, 296

<223> n = A,T,C or G

```
<400> 1004
atttggctgg cctgaaattt gctgctgtag accaagtngg cttcgtatta agagtaagag 60
acctttctac ttctgtctat ggagtgcctg gattaaagaa ganctgaccn tacacantaa 120
ccagnncgag aaaagcctna aacaagngag ggtaaagcag tctanccac ggctgnanaa 180
nanagctnag angtcaaaaag cacctgctga tcttncanat gaccagagtc cagttcccg 240
```

- REPLACEMENT COPY -

catccanatc aggcttctta tancaggctg tanccttcaac tatggaggga anccancatc 300
atgttttggc ctccacaggc atgcac 326

<210> 1005
<211> 485
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 31, 42, 58, 199, 206, 214, 215, 216, 227, 241, 250, 269,
270, 272, 349, 364, 368, 414, 420, 436, 450, 456, 467
<223> n = A,T,C or G

<400> 1005
tcctgctacc tatatccctg ctgcngtacc ngaggtagct tntggaggag ctgcagangt 60
agtccagtgt gctaccgaac tgagcttcac agaactgggc cttgggttctt acaccccggg 120
gggtctcatc cagaacctct tggaatatat tcatgtcgac ctgggcctgc cgtgggtgggg 180
agccattgcc acagtgtant aggacntcct gggnnngggg ggaaganttg gggacaaaag 240
ngcagaggtn agaaaaccag gtgattcann angggatggg aacattcaac ttttatttcc 300
tagagagtgt tagaaagcca cttatctgcc cgcagtgtt gggagggtana ggaaggaggg 360
tcancgtnc aaccttaagta attaaagaat tcaaggctag cctcatacct taancactgn 420
tctggggggc atgaanacat gccatgatcn aagcancct ataaatnaag gaaagcctat 480
ttact 485

<210> 1006
<211> 368
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 290, 300, 301, 304, 306, 314, 315, 318, 321, 323, 324, 326,
327, 331, 335, 336, 337, 338, 339, 345, 346, 352
<223> n = A,T,C or G

<400> 1006
tgagtgcact tccagatgca aaatcgagag cccttgacaa tattggcaga gtttttgcca 60
gagttgggaa attccagcaa gccattgaca cgtggggagga gaagatccct ctagccaaaa 120
ccaccctgga gaagacctgg ctcttccacg agattggccg ctgttacttg gagctggacc 180
aggcgtggca ggcccagagt tatggggaaa agtctcagca gtacgctgag gaggaagggg 240
acctcgagtg gcagctgaac gccagtgtcc tgggtggcgca ggccaaggn aaggtggggg 300
nctnanactc ccannccnaa ngntnnnaca naggcnnnnt gagannccat tnttaccata 360
acttggag 368

<210> 1007
<211> 309
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 68, 69, 77, 80, 81, 83, 84, 85, 86, 91, 97, 99, 104, 117,
263, 268
<223> n = A,T,C or G

<400> 1007
gcttgccctc aaagatgctg ctgcaaaatt gaagaggacc attgaacacc ttaaaaaagg 60
caaagccnng cttcaantcn ntnnnntgca nacatgnang aaantaaact ggctagncta 120
gctggccaac ctttgtcacc acctcaacag ctctagcatt taagtgttaa tttctcccag 180
caacaggaca caaaagtaat tgagaatggc catgaacttc tcatectcct gccttcaact 240

- REPLACEMENT COPY -

tccaggtgat acggattcta ggngtgcntc acaccctctg gctaataaat gagtttcctt 300
taattttaa 309

<210> 1008
<211> 115
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 65, 89, 95, 97, 98
<223> n = A,T,C or G

<400> 1008
ccatctggac cgtacgagaa ggagacagca gagaggncac cagacatccc caacaggggc 60
agctnccagg cagagagccc ggctgtgant gccangnngc atgccatcgc tgcca 115

<210> 1009
<211> 132
<212> DNA
<213> Mus musculus

<400> 1009
cctgagggtg atcgtgtcct gagctgaaga tgttcccaga acacgcagaa agaggtaacg 60
atgctaccca ttcgtttatg gagagtctgg gctgaaaatc tgaaaataaa taataatcca 120
cagaaaaaaaa aa 132

<210> 1010
<211> 135
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 29, 43, 63
<223> n = A,T,C or G

<400> 1010
agctgcaaac aagcggangg actgtgcang gggccgaggt cgntctttct cctgcctttg 60
canctcaggg cttttcttct gtctctgtgg gaatgtttga atttccaatt aaaattggct 120
ttattaaaaa aaaaa 135

<210> 1011
<211> 178
<212> DNA
<213> Mus musculus

<400> 1011
tctagtgttc cagaaccgcc agacaatgaa agaaaagcaa gtttatcatg tttccaaaat 60
caaagagcaa tacaggaata tattgattta tcatctgata ctgaagatgt ttctccaaat 120
tgttccagta cagttcaaga gaaaaaattc agcaaagaca cagtgattat agtgtaag 178

<210> 1012
<211> 260
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 35, 42, 49, 83, 142, 157, 159
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 1012
gaagagagga aacatngctc acgggcttca tctgnccaac tntagaagnt tattttcatc 60
atccatccat tgggtgccata cancttccaa ggctgtgaac tgccttggca ccaacatgaa 120
gatcatttgg gtaagactgt gnagaggact gattatntnt taattgaggt aagaatagat 180
gaccaaaaat accctatcaa ccatttaa at gtacatctca ggagcattaa ttatgttcat 240
tttgctgtac aaaaaaaaaa 260

<210> 1013
<211> 176
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 36, 149, 156
<223> n = A,T,C or G

<400> 1013
cttctgggac ctgtattgtg cggcaccana ccgcanggag gcctgtgaac actccagtga 60
ggccaaagtc ttccaggact atgtgagttc ccaggattct ggaacctgga ccgcttcttt 120
ttgctttgtt tgtatgtttt gagactggnt ctttgnngcc ttggatgtcc caggaa 176

<210> 1014
<211> 247
<212> DNA
<213> Mus musculus

<400> 1014
ttgacaccac tgaggcagac atgttggcta tttggcgatg agaagtttga agaactgaca 60
tcatactggg ttagaacact atgggacctg acatttgccg tgcttgggca gccagtggcc 120
attggtactg ctaagaagcc ctactctac tgcagaacac taatctgatc ttggaagtgg 180
ctgattgtgg caggatgttt cgaagatgat gatggcaaga aagcaagatg tccgcataaa 240
aaaaaaa 247

<210> 1015
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 368, 432
<223> n = A,T,C or G

<400> 1015
atcacctca gtgtccttgt gattgccttg ctacttgct gtgtgactgc ttatcccaat 60
ggcaaagtac caatgtcctg tgggtgggatg atcccccaac ataaccacag cccacagtct 120
gagcctattc accaaatcac agtgagtcag acgacgttca aacctggaga ccagatcgaa 180
gttactttat caggaccacc atttagaggg tttcttttgg aagctcgtga tgctgagaat 240
ttgagcggcc ctctatttgg ctcttctact ctgattgaca gcgaagagtc acagcttctg 300
acctgtaccg atgtacaggg attagctgtg agtcatacaa ggatcatcaa gaagacagaa 360
attaaagnct actgggatgc tccaagccct gccccagatc acatacgatt tctagctaca 420
agttgttcag anattaaaat ctacctgggg tgaagattcc gagtcctcgt cctctgctca 480
ctggggcttg att 493

<210> 1016
<211> 333
<212> DNA
<213> Mus musculus

<400> 1016

- REPLACEMENT COPY -

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actgaggctt tactgtgaag gccaaagctgg tatggactta ctccgaagca ctgctcagt 60
tcaagctctt gcttctcctg cctcagcctt aacaagtgt atgctgacaa ccagacccta 120
ttaccacaag cttgaagaat caaggaaatt aagtacaaca gttttccctt acaggaaaac 180
atccaagact cacagcagag gactcctaac tataacagca ccaactgcta caaacactgc 240
ttttcctata tggtctgcag catggccaca gaggagaggc agcttttaca gtcttggcca 300
gcctggaact cactatgtaa atcaggctgg tct 333

```

<210> 1017
 <211> 325
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 41, 159
 <223> n = A,T,C or G

```

<400> 1017
gattcacatc tgaatgcgct gcngggatcc aggaatatct ngctaggatg taacaaagct 60
aaaaatcccg ccagaaccaa aactggcca cagcttaacc tgcattccagg tcggagacac 120
aaggactgga aactggcttc actcgataca ctggcctanc tccaggggtct tcatggattc 180
ctccagcttc agcactcctg cgtgagaaac accaaacagg attaagtgtc atggaacagg 240
aggaaggccg catgattcac cagctcttta agcatgtttt tgtggacctc taattagaac 300
cagggctcca ctggaaaaaa aaaaa 325

```

<210> 1018
 <211> 220
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 93, 114, 116, 186, 197
 <223> n = A,T,C or G

```

<400> 1018
gttggatctc ctggaaacat gaatcacaga aaggtgtgag ctgccattcg ggtcccagga 60
actacagcca ggtcctctga aagagcagcc agngctctta accccaacca tctntncagc 120
ctgagaagtg cgtgttctta tcatgagaag acaaacaagc aagtggagtt gcaaagctgc 180
ctcaantggg taaaggnact tgctgccaag gcttgcaagc 220

```

<210> 1019
 <211> 199
 <212> DNA
 <213> Mus musculus

```

<400> 1019
aactgagatg tgcaacggag gaagagccca gtgtgtgggt tcgtagacct ctctgcaggg 60
gtctgaagca gatgagcacc ggaaacctga ggctgtcatc ctggagggta attactggaa 120
gcggcgcacg gaggtgggtg tgccgcgaata ccacaagtgg agaattctact aaaaaagcg 180
gctccgtaag tccagcagg 199

```

<210> 1020
 <211> 271
 <212> DNA
 <213> Mus musculus

```

<400> 1020
ccccatcaca gcttccttct gccaaacct taaatctaac tgatgaatcc atgtttccca 60
ttggaacata tttgttgtat gaatgtctcc caggatatat caagaggcag ttctctatca 120
cctgcaaaca agactcaacc tggacgagtg ctgaagataa gtgtatacga aaacaatgta 180

```

- REPLACEMENT COPY -

aaactccttc agatcctgag aatggcttgg tacatgtaca cacaggcatt cagtttggat 240
cccgtattaa ttatacttgt aatcaagggt g 271

<210> 1021
<211> 247
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 29, 43, 51, 57, 69, 72, 76, 88
<223> n = A,T,C or G

<400> 1021
ttactaatga cgccccagtc tgnacttgna cttaccacac tcntactgca ncctacngaa 60
tgctgggant gnaagnccct ggccctgnct ttgtctgctt tttgttgact gagttgactt 120
aggcgtttac tccacagcag aagtgtggag attggggaca ataagtggaa ggcccctaag 180
atggagctca gcttgtcaga cttggcagcc atcactttgg cctgctgaac catctcacca 240
gccactt 247

<210> 1022
<211> 203
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 23, 24, 39, 44, 52, 55, 56, 74, 76, 86, 96, 98, 105,
109, 111
<223> n = A,T,C or G

<400> 1022
ctccgatgga ccaacgtggn cannatggat ctgtccaana aggncaaact gntgnncatt 60
gcagggaccc tccnctact tgctgnaacc tgaggnangg ctggntatnt ngtggtacgc 120
cgtcaacatc actactgact tcttcaaccc actgtatgct ggaaccaagt atgaactggg 180
ccccgccctc tacttgggct gga 203

<210> 1023
<211> 283
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 32, 33, 49
<223> n = A,T,C or G

<400> 1023
acataagaca tctgggctcg cgngctaact gnnagcacgc aaaacgccnc tgacagattg 60
cattcgctgt aggaaactcg tccggcgtgc agctgaggaa agaaacacct tcgaaagaag 120
gatattctca aagaccaggc tcccgcggcc tgagtcgcag acagtgatgc caggagggag 180
gcaaaggaac ttggaagcag cggatccccga cacaggcgcg gcaccgggag cagccccatc 240
attaccagc ggctccttca ccagctcctt ctcgaagaaa acg 283

<210> 1024
<211> 157
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 24, 28, 31, 44, 47, 58, 97, 102, 107, 117, 130
 <223> n = A,T,C or G

<400> 1024
 atcccatctt tgtgccccac acanagenca nttttgaggg cagnttnccc caagctgngg 60
 atgggtgtgg catgcctgac aatcaaaggg caagggncctg angggancct ataaagngac 120
 ttgggagaan ccacacacct gacttggagg attctgg 157

<210> 1025
 <211> 171
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 40, 42, 50, 72, 78, 81, 84, 94, 99, 100, 105, 109, 114, 119,
 136
 <223> n = A,T,C or G

<400> 1025
 gactgagacc tctccagcat caaccaaacc cgactcgagn tncacttctn tggtaaaatg 60
 gccatgcggc anggaggncc ngcntaccgg cttnatgttn ttccnacanc tccnccacna 120
 tgccacccag accatnaata taagagatat tgtgcttgga ccatatgaca c 171

<210> 1026
 <211> 202
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 31, 32, 42, 44, 50, 55, 59, 60, 74, 76, 95, 96, 114, 175,
 179
 <223> n = A,T,C or G

<400> 1026
 ataacgaaaa ctgtgggttga gaatatattgc nngaaagata gngntgaatn atgtnaccnn 60
 gacctggctc catncntaga cactggcact actgnngagg accgcctgaa gatngatgtg 120
 atcgactggc tcgtagtttg acccgcccaa gatagcagga agccctgagg cgaangcanc 180
 gccatcatga ggaagttctt ac 202

<210> 1027
 <211> 249
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 65, 111, 132, 133, 136, 154, 172, 181, 209, 221, 224
 <223> n = A,T,C or G

<400> 1027
 agactaagct ggattcctga ctgacccagg aggctgcatg catgctgtct agagcctcgc 60
 tcagnacagt gctggcctca tccccacacc agccatcgct actctaattg ntcctccttc 120
 cagaaccaca gnnttntcat ctaggcaaga atgngacaac actcagcctc gngaaaatct 180
 ntgggtgctt atggacctgt cacacaaang ggaatgagtg ntgnttgata gtacttgat 240
 ctcaacaat 249

<210> 1028
 <211> 101
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 53

<223> n = A,T,C or G

<400> 1028

tcaactcctg ctacacagtc cttctattac ctctgagcta aaggatacct tgn TTCACAA 60
ataaaaagga tagccaagga aggcaaatat aaaataaaaa a 101

<210> 1029

<211> 262

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 124, 128, 131, 136, 148, 151, 160, 166, 167, 175, 208, 229,
237, 242

<223> n = A,T,C or G

<400> 1029

gactgagggt gctgaacagt ccaaaatgat ccagggtgat gcagttcaaa tccttgcccc 60
agtgagggaa tccctaggga agtgggtgat gggactagag tagatccact tcctccagtt 120
catncgcnc taaanaaat cacggagncc naggcacaan aagagnnagc tagcngcttg 180
cttaaataatt tcagcgatgt taggcgtnta tcttcacaag acccaccgna aggaaangag 240
cnggctttgt tttcatgatg at 262

<210> 1030

<211> 109

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 45, 69

<223> n = A,T,C or G

<400> 1030

gggactaagc cgaccttgaa tggattcgac tgactactac caagnngaac cgatcatgct 60
agcctttgna cacaagaat aaaaatgtga agaactttaa aaaaaaaaaa 109

<210> 1031

<211> 176

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 39, 49, 74, 85, 88, 91, 105, 112, 115, 117, 133, 134
<223> n = A,T,C or G

<400> 1031

acactgattc tgcaaagagg cctggactcg gaaaccaana aacagcttna agaggaggag 60
cggaggatga tcancgacga gcacnttncc ntcttgatg cttgnttgca gngangnaca 120
ccttcttccg agnngaacaa agcttcttcc tataatgaat cacactgtct ctacgg 176

<210> 1032

<211> 108

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 1032
ccattttcact ttcaagcaga agatgagcag gattatatac gcgtaagtac tttcaaagtg 60
gcggtgcagt ggtttgaaat taaagcatta ttaagtacaa aaaaaaaaaa 108

<210> 1033

<211> 374

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 41, 55, 149, 153, 157

<223> n = A,T,C or G

<400> 1033
aggatgacct tgaactcctg atcttcgtgc cctcacacct ncaagagata gaatnacaga 60
tgtgggcaac caagcccggc tttgtatacc tgaattggtc gggcgtgatc cgtctcgggtt 120
gggttcgggc gccctctgct gcctattgng acncgggncca ccaagttacc caggcgggtgg 180
aggtcggggc ggagctctgg agccatgact gagccgcagg agcagctgct gcaagctgca 240
gaaggacaac cgagatgggc cgcctgcgga agcaggagct agaagagctg gtgcgtgggc 300
tggaagccga gagccgaaga gcctcaccgg gccgcctgga ggagctgcgg gaagccgcga 360
agcgcagcct tgca 374

<210> 1034

<211> 307

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 24, 34, 45, 46, 49, 172

<223> n = A,T,C or G

<400> 1034
agactgagac aaggagactg acnngattgc atcntaccca tatanntana ctggctgacc 60
ggggagtttc aagcatctgc ctgcctttgc gcactcaaaa gaatgccatc acccttggat 120
tttggaatc aaaccaagga catcatgctt gcaagggtgaa aattccttct gntggtttcc 180
agagacacct gggaagactc tggggagccc ttggctaata atctcaggaa aactgctgcc 240
ccggctgaaa ctggaagctc atggtggacc caagatctct tatctctggg acacttaaaa 300
aaaaaaaa 307

<210> 1035

<211> 111

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 23, 37, 60, 62, 90, 92

<223> n = A,T,C or G

<400> 1035
aaccccgggtt gaaaccctgn ganatcgaac atattanttt caagcagaag atgagcaggn 60
antatatagc gtaagtactt tcaaagagcn cnggagccag taggtttgaa a 111

<210> 1036

<211> 267

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 74, 121, 137, 189
 <223> n = A,T,C or G

<400> 1036
 atttcaaaag atccctaata ttgaaaatga gacaatgatc cctgtactga cgtcaaagag 60
 agcaagtgag ttancagtca gtgagggtgc aggccttttc caggctgatc ttcagaatgg 120
 nttaaacaaa tctgaantta gtcataaggca agccttccat ggctggaatg aatttgatat 180
 caagtgaana tgaaccatta tggaagaagt atatttctca gtttaaaaat ccccttatca 240
 tgctgctcct ggcgtctgcg ggcaaaa 267

<210> 1037
 <211> 290
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 29, 32, 43, 48, 55, 116, 125, 140, 146, 147, 148, 151,
 153, 163, 164, 170, 204, 208, 229, 232, 236, 262, 264, 272
 <223> n = A,T,C or G

<400> 1037
 gggaccaatc tccgctgcaa atcctgntnt gnagactcga ctncacncc agggnacacc 60
 gggcgaaact gtacccacct ctgggccccg tccagcacct gggcttgcca aggtanggga 120
 caacnctttt tattgtcaan accgtnnnta nanatgggca aanngggggn ccctcctcca 180
 tagaagcact cattttgctg ggtnctgnag aggggccctc cccaaaaang tnacgncccc 240
 ttgggggaaa agacaccctt tntntttttt tnttgaaaaa gggggggcca 290

<210> 1038
 <211> 428
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 246, 259, 281, 322, 324, 325, 333, 370, 406
 <223> n = A,T,C or G

<400> 1038
 agagaaaccc gaagaacaca agacaaaaga gactgatggg gcacccagtg gccctggacc 60
 gcggcaacag cctagtgcct tatgtgccaa gaggaagtaa agaaagccac cagaagccca 120
 cagagatcga cgagcaagat aaaagagaac aagcacccgt ttgctcttta tggctgggga 180
 gagagacaga tggacatggg aagccagaaa acacacaacg tctgcgcgtc agcctctgtg 240
 cacganattc atgaatcanc acttcgagcc aagaatagaa nacagggtgga gaaaaggaag 300
 ctggctgccc aaaggcagcg gncnnacttc ggnggccgtg gaaaaaaacc agagggtaaa 360
 gccggcgtnn tgccgaaaac ccatggctga caaaagtata tgcggngcta cttcaagcga 420
 gggcgcta 428

<210> 1039
 <211> 342
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 48, 52, 81, 84, 158, 167, 174, 177, 183, 200, 201, 221,
 228, 263, 268, 273, 284, 317, 324
 <223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 1039
agggggcgct ggcaatccgt cagctggngt cagtcattctt gaaacagnat gnggaaactc 60
actggtgtgc ccaatcagga naanttcaga cctccggaaa ctacaagaaa gggcaaaaat 120
tgtcatccgg gagctgttac ccaatgggtt aaaagaanca ataagcnaag ggcncctncag 180
tgnggcctat gctgagtcen ncattgccca ctgggattgg nctgaagnct ggccccagct 240
cttcaacctg cttatggaaa tgntggtnag cgnaagactt aaangctttc catggagccc 300
atgcgtgggt tgaccanaag ttanctcgag aaggggacag ac 342

<210> 1040
<211> 443
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 30, 33, 39, 44, 45, 50, 54, 59, 68, 89, 162, 216, 316,
343, 372, 390, 408
<223> n = A,T,C or G

<400> 1040
ggcagagacc gggcggagggc cgtngcactn cgnggggganc tctnnagtgn ttgnacagna 60
tggttggnaa acttaaataa cgtagggana ggcgcagccc agaacttccg ttttcctgct 120
ggtccttcct tctgaccagg gccaaaggctg aaacctggct gnctctgcca ggtaatgcca 180
ctgctgctga ttcgtgttgc tatccaaact ctatanaact ggactgctgc tgtatctgta 240
aagtgttggt gagtggattg agctgccact gctggctctt gtaaaactgaa ctgttgattt 300
cctgacagtg ccgatnaaat ttgctacaaa agaaccattt ctnaataggg ccactttccc 360
tggaatcctt tntttcccgc tacctttggn aggttaaagg ggtttaanaa ccatcattaa 420
aaataagact ttgaaaaaat att 443

<210> 1041
<211> 259
<212> DNA
<213> Mus musculus

<400> 1041
cttcagtgtg tgccaccggt gggggaggga cgagaagaac ggggcactgg gatacgatgg 60
ggaaagatca agaacgcagc acaccaagtt tggaatggac ttagcttcta acctgctccc 120
tagctactga catttttttc atctcgggga ggagataaca gattagggga gtgggacctt 180
ggagcaagat cctaccagc taaatttaga tccagctgat tttcagcccc agctaatacag 240
ctcctgcttc ctgaccttc 259

<210> 1042
<211> 139
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 82
<223> n = A,T,C or G

<400> 1042
cacttggtta ctcagngaac attgattcaa ccaaataaac tgattcaagg gagtgacttt 60
tgaaattgcc tcttgctaat gnaaccagaa agtacagcat cttggatgga gataccaaag 120
atcacaagat ctttctttg 139

<210> 1043
<211> 378
<212> DNA
<213> Mus musculus

```


- REPLACEMENT COPY -

```

<400> 1043
acacatttaa tcaaactagg caccaaaatg ctgccattgc ttcctggaga gaggaaacct 60
aatgatcctt ttacccaaag aagaggcact agacagacca gcattgcac ttttgtcacg 120
ctacaatcag gaatggcaag tgggtggtaac cagaagaaca ttttctctct caaagaaaat 180
cagaccaaca aagaatgcaa gagaacccag ctagactgtt tggatgatgg cttgctctcg 240
cctttgggtca cttcagctcc agcagacatc caggaagctg ggcattcctc gtctccccag 300
atttcaggct gccagggttt ggaaatgtcg tctttgacta tgatgtcttt gaccagcct 360
ggtgtcctga tggatgca                                     378

```

```

<210> 1044
<211> 166
<212> DNA
<213> Mus musculus

```

```

<400> 1044
gatagggtgg ttcaccgcgg agtgcacgt gcggttcac gtctccaaaa acaagtgtga 60
gtttgtcaag agaccctga acatcattga cttactggca atcacgccct attacatctc 120
tgtgctaata acagtgttta caggcgagaa ctctcaaaaa aaaaaa 166

```

```

<210> 1045
<211> 219
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 63, 68, 146, 174
<223> n = A,T,C or G

```

```

<400> 1045
gggagctggg acaaaaacaa gtgcatctgg aagctggagc tggagctgga gctggagctg 60
ganctggngc tggagctgga gagaagcaca ggaagggccc gaggactaca gaccctccga 120
agacaggctg ggcattgact aatcanaggc tggtagcctt gtcccctaca ctangccaac 180
gccacctgct ttttggcgac tttcttgacg acataggca 219

```

```

<210> 1046
<211> 302
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 142, 193
<223> n = A,T,C or G

```

```

<400> 1046
actgagtgga gctggcctga actttggacc ttgtcttcca gtaggaaatc agtctctcag 60
aaggcgatca tggcctccaa gcctgagaaa aggggtggcct cctctgtctt catcacctg 120
gcaccgccac gccgagatgt anccgtgagt gaggaagtgg gccaggcagc ttgtgaagcc 180
agacgcgctc ggnccctggga gatgcttccc acaaagacac ctggggctgc agtgggcagg 240
agccccaaga cctggacgcc ctccggcaag accaatgcct cactctctgg agtcacacct 300
ca                                     302

```

```

<210> 1047
<211> 209
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 38, 108, 109, 111, 112, 114, 115, 122, 125, 131, 154

```

- REPLACEMENT COPY -

<223> n = A,T,C or G

```
<400> 1047
aaggaggaat gagaactcat tgacgtggtc gataaacnag aacatgaagc tgtggacaga 60
aggtgctgat tcccgtgaag cagtttccca aggtgaggcg ggagctgnnc nntnntgcta 120
cnganccac nagcatagcg caccctggca ttantggccc tggccttcac acacttgaag 180
ctaattaaaa cgtttgggga atgaaaaaa 209
```

<210> 1048

<211> 337

<212> DNA

<213> Mus musculus

```
<400> 1048
actgagatca atcttcctgc tctgactcca cctccgaacc cctggacacg acccacttag 60
actcctctcc aggtcggctc tccattccca gagcttgctt ggtatgctca aagatatcca 120
catgttggct aagcaccttc tgtcaagagg agggcccgcc ccccgcaaca gtccccgccc 180
ctaaccactc cctctacccc ctggaactat acagtcttcta gttcctttgc aggtccccgg 240
tcccacccat ccaaactcctg cctgtccccc tcaccatagc acatgaactc tgtcacaata 300
taaatgggtt cctccgacac caccgcaaaa aaaaaaa 337
```

<210> 1049

<211> 275

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 33, 36, 37, 93, 98, 101, 139, 144, 146, 147, 150, 156,
173, 191, 195, 199, 211, 216, 236, 237, 245, 257

<223> n = A,T,C or G

```
<400> 1049
acaacccct ctatgtggat naaaacttca tcnatnnccc gctggcccaa cctgactggg 60
ctgccactga agtttggtat ggccgccttc cancaacnaa nggctttgaa ccatctagct 120
cttggacggt ggaggtggna caanannccn ttgtcnagct ggtgccataa tgngaagact 180
gtgaagggtc natangacna cattgcatcc natganaccc acccatcatt ctaccnnagg 240
gtgngggaca tgtgccnagc ctcattttgc cattc 275
```

<210> 1050

<211> 244

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 102, 103, 106, 108, 112, 113, 114, 116, 121, 124, 125, 130,
131, 134, 135, 140, 160, 162, 189

<223> n = A,T,C or G

```
<400> 1050
ccatgcggaa aaaggcctgg gaagactggg acagtgagcc tgcctaccag catgggtggc 60
ccttcctgaa ggtcaataaa gagtgtgaaa cgtgagcaga gnntgnncat annnancctc 120
ngcnntgatn ngcnngagan ttgggaacat gcacagatgn tngggaaata ctcataggaa 180
agagagatnt gtatgggtaa agagctaaaa gaaagaacat catttttagtt aaaattaaat 240
cact 244
```

<210> 1051

<211> 251

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 36, 45, 64, 73, 81, 102, 103, 105, 111, 121, 137, 142, 181,
184, 193, 205, 212, 231
<223> n = A,T,C or G

<400> 1051
atcaaaactc acctgacgcc aaaacacccc caaaanacct accanccatt cctgggggtca 60
ctanccctac canctgatta ncctcccatg caagccatcc annanccaac ntgcccacca 120
ncccgggaaga taaacgntca antcgtatta aaaatcacaa ttttaaattgg acattttaatg 180
nacnccccgt agngacgcaa tgatncttct anggcccccaggcccttgg naaataaaaac 240
cttccacacc a 251

<210> 1052
<211> 105
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 50
<223> n = A,T,C or G

<400> 1052
attctactca agccttctgg aaaggactgt gttgcctttg atgcatggan caaagaattc 60
ttagattttt ctgccaaccc ctgaaaccgg accttgtgat ggcaa 105

<210> 1053
<211> 384
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23
<223> n = A,T,C or G

<400> 1053
actgagggtc agtgaaatgg ctnagctaaa cctgagttca atcccaggac ctgcattgtg 60
gaaaaagaga accagcttcc acaagctgtc ttctgattgc tgcagacaca caatcaatca 120
atcaatcaat acattcaata ccattatttg tactattata tttatattgg acacaagggt 180
ttatgctgac tcaggctgac cttgaactct tgattttcct gcttcagctt cccaatgctg 240
gaattagagg tgttattagc accactatgc ttggtatgag tacatccttt tgatcaatgt 300
ttgagaagct catgttaatc tttttccatt ctgattggag cacagcaggc tcatggacca 360
gtgacaccca gaaattgagc tgcc 384

<210> 1054
<211> 395
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 292, 307, 318, 341
<223> n = A,T,C or G

<400> 1054
ctcagggacg cagctcacta ggaatctaca gattaagccg tgggaactcg gtgaacacgg 60
gaccatgtgc tttagatcct acaggatggc tctctcctgt ttgagcagag taaaaactta 120
caggaccctt tggaagagat tgtacagtac ttcacaaaca acagttgaca gcagggaggt 180
caaaaacttc caggccctgg ctcacaccgt ggtgggatga gtaccggaaa gtttgcgctt 240

```

- REPLACEMENT COPY -

```
cttcattcta tgaatgacct acgggtgcca ttcattaaag acaatttttt gnaaaciaag 300
tgcttantca ccatccanga aagcctttat ctgggatgaa naatcttgac cgttggctgt 360
ggcgggggggt tatttaactg aacctctttc aaaag 395
```

<210> 1055

<211> 156

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 25, 31, 50, 51, 52, 57, 59, 60, 65, 100, 126

<223> n = A,T,C or G

<400> 1055

```
aaagcctggg cagaggcent aattncttct nggggaactc tcaaaggccn nncaggntnn 60
aaganctggt tccattcttg ggatcatgtc ttctccatgn tgtacctctt aagttttcca 120
tgatgnctca aagtaaaagc tttaagaaaa gaaaaa 156
```

<210> 1056

<211> 225

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 160, 176, 183, 200

<223> n = A,T,C or G

<400> 1056

```
tttcctaccc cctgtctgtg cccatgtcct gggggccaga gcctgggtct actgtggaaa 60
gtgccagagc tgacctgcta ctctccaaga gagactcaga gcctgtgctg gactcaggag 120
ccttccatgg ccaggagac accctcagca tcctgccagn caggagacac aaacctgct 180
gtnagcaagt ggaccacggn tgtgccgagt ttgcggacat cctta 225
```

<210> 1057

<211> 102

<212> DNA

<213> Mus musculus

<400> 1057

```
gggtctacac aataccctat gtagcagaaa ggccgatttc ttacctattg gagaacatct 60
gtctctaaat aaaatctcaa ttgttccaga ggaaaaaaaa aa 102
```

<210> 1058

<211> 129

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 22, 30, 40

<223> n = A,T,C or G

<400> 1058

```
agatcacctg agactgangt tnttcacagn tgtagctan ccactgtctg cgcactggga 60
accaaacctg catcttcttt gaaaacacca agtcagcttt aatcctaaca ctcaggaggc 120
agaggcagg 129
```

<210> 1059

<211> 275

- REPLACEMENT COPY -

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 30, 32, 39, 58, 63, 78, 79, 90, 98, 114, 122, 132, 182,
200, 209, 213, 234, 241, 249
<223> n = A,T,C or G

<400> 1059
tcgatcactg gcatgctgnc caaggctgcn tncatgagng atatcaatct cctttcgnac 60
tgntcaaata aaaatggunc tcacctcagn cctatgtnac acgacctcac aaangtggtta 120
ancagctgga anaggactcg gggacctggg caggctcctc cctgcgacgg accttcagct 180
tntctctggg catgaccggn agggacaana ctntttgctg ttttgaaaca aggnctccct 240
ntgtagctna gactccccctg gaactcacta tgatg 275

<210> 1060
<211> 231
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 31, 35, 59
<223> n = A,T,C or G

<400> 1060
actgagggttc aatgctacaa ctgangctga ntgtntctcaa gctacagtaa aagaaagtnc 60
agaatcagga gacccagctg ccctgggaaa tggcttcaaa ggcaccactt tccaacaagc 120
caccactcc ataattcaaa taagacagct caaaagatat gtttttattt tgggggaggg 180
ggagacatgc atacccatcc ctaataaact aaatgcttga aatacagaat a 231

<210> 1061
<211> 391
<212> DNA
<213> Mus musculus

<400> 1061
aactgaggct ggtgacatgg ctccctgata tccaggatga tatccaagtg gctacaatgg 60
gcgacatccc aggtttgtgc ccgaatgacg atgtgcctgc tcccctctac cagatcccga 120
gcatccaagg atgaccatcg aatgctcaag catggccatc acccatctcc ccacaagcct 180
caaggcaact ctgctgggtt gtaaattgct ggtctccgtg cttccagtga acttggacat 240
tcttctcatg gttggtccag gagaggccaa agctgagggc accctgcctt ccacccccag 300
tccagcttga ccttttatct ggagcaacag tgtctagatg atgggtgggt gaggggtgct 360
atactgtctg tccctctggg aagggttcga t 391

<210> 1062
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 30, 80, 98, 202, 213, 221, 231, 246, 281
<223> n = A,T,C or G

<400> 1062
agactgatat ttctctgagt ggnggaggan cctcagcgca ctgaaggccc atggcgccccg 60
ggttgggttt tcctttcttn ttcattctcc ttcttttnaa aaggcaacag aagagccttt 120
gccgactctg cgaaaagggtg tcacggaggg gccacccgc cctcccatag cgccggcacc 180
tgtccaggga cggcctcgtc gngccacagc canatggagt ntttcccgat ngggggggggg 240

- REPLACEMENT COPY -

```

agggtnttct ccttcaagca attattttat ttttttatcg nttttaattt taatcatagg 300
gcacatatct aaaaaaagta tttttaaaca caaaaaaccc tgaaatgtat atttggatcg 360
ttttaaggca attgaaaacc ccacctcagg tatccccgctt tatatcgata gctcctcccc 420
cg                                                                422

```

<210> 1063
 <211> 347
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 27, 31, 36, 37, 39, 42, 45, 48, 52, 58, 69, 75, 77, 87,
 92, 93, 94, 98, 101, 102, 104, 107, 109, 121, 122, 125,
 126, 137, 320, 321
 <223> n = A,T,C or G

```

<400> 1063
taatatactc tgatggaact gntggccttg ntgcanncnt tncantnta cntaattnac 60
ttgtacganc tacancngat tggaaanact tnnntatnga nncngancnt tattttggat 120
nnctnnctct gtgtgcncctg agagctgcaa tcctggattc aggaaagttg tcctggagag 180
caagcctacc tgttgctttg attgcactcc ttgcccagat aatgagattt ccaatgaaac 240
aggtgaagga caagtttctc agaggatttt ccattctttc tacagtgttc tcacaaaact 300
aagtaaaggg aaaaaaattn naccggggga cccccttggc cattacg                    347

```

<210> 1064
 <211> 405
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 206, 211, 214, 215, 216, 232, 265, 266, 287, 290, 311, 344,
 382, 383
 <223> n = A,T,C or G

```

<400> 1064
cactgaggag gcagaagcaa atggaactct acctagtgtt aaagccagct tccttggtct 60
agacttccag cccatccaag actacataag agatgtggcc tcaaagaaag aaaggagAAC 120
gagttggaga aaagctgtca cgaccctcca aaatcaatat atttacagct tcctgagagg 180
acggcgatgc taaagactgt ggcattngggg naannngtct aaaaaagtgg gnggcttgac 240
aacccttgc cagaaccatc attgnnaaca ttggcaaggt gtgtganctn gaccgagAAC 300
aacaccccc ntgtgtggtg tgcccaggac ccccaccagc ttgnccttgc tcccattggc 360
cgagttttga aaaaggtatg cnnccaatgg accaacaAAA acctt                    405

```

<210> 1065
 <211> 334
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 23, 33, 36, 38, 40, 50, 55, 87, 128, 158, 186, 203, 227,
 253, 260, 276, 303, 308
 <223> n = A,T,C or G

```

<400> 1065
gaggaggact tccggtttcn cancacaccc gtnttntntn cagccgtggn gctgnggctc 60
acagcaggcc tgcgcgggcg ggcgatntgt gtacgcgcaa cactacatca ccatcccggc 120
gggctgcnc tgcgtgcccg aaccgggaca aatccgtnga cacgtgcgaa ctccagcatg 180
gacaanctga tgctggggcc cgncgacagg cctgcggagc cgcttangcc ggggactgcc 240

```

- REPLACEMENT COPY -

```

cccatggacc aanttactgn atgcatcaag gacccnggcc ctgaaaaacc caccatga 300
tcntgggncc tgctaatttt tcaaaaagga aaat 334

```

```

<210> 1066
<211> 344
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 38
<223> n = A,T,C or G

```

```

<400> 1066
gaagaactga gtgtgagccc tgataactga gtgtgctnag tgctgggtctg ccatgctaag 60
cctgtctccc aggaccaggt gacctgtccc ttcagcttct ttctcacacg cagatgaaca 120
ctggacttca gaaattgtga aggttccgac cgctgcagag gggcttacat tgggaatggc 180
ccctcttgcc cctcaccat tcaagagcat cttccacctg ttccaggacc aatgtgtctc 240
attcccaagt ggcaattagt tgtctagaaa ttcaacactt ctctgtaacg ttagactgtt 300
ttgttgtaaa ttcttgccac tgggtcttctg ttgcacagtt gggc 344

```

```

<210> 1067
<211> 808
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 101, 143, 202, 241, 262, 304, 309, 333, 368, 391, 416, 425,
476, 496, 541, 544, 561, 575, 593, 612, 621, 624, 628, 639,
684, 696, 707, 710, 718, 725, 726, 727, 732, 750, 753, 765,
769, 783, 789
<223> n = A,T,C or G

```

```

<400> 1067
gatccctgtg ctccctgagcc ttcatgtggg atccaagatt ctccctggacc ctttgccacc 60
tgcccttcgt ggctctggaa gctcccggca cctgttctgt naacctgaaa gctccctggg 120
gtcacctact ccacccctga aangatgccc tgcactaaat tctgggtcgaa ctcccagcgc 180
ccacgagtgt gtgcctgtgc anagtccact tgcgttgctg agttgcccgt tgtgccaaaa 240
ngcgtttgac ccgaagctga cncagctaga tgtggatagc caccttgctc actgcttggc 300
tgantgcanc gaaaattggt gtggtgagca tcnggggtgcc ttgctgtatc tccttcaaac 360
ctacacancg acattggatg tggcttctga nacatcgctg tgtggacacc tgaatnttgg 420
ctccttctgg ttttggttcat gggcattgga cataatgctg gtcactgaca gcaggnaaca 480
ctgatcctct gtggantcat cttcattgtc agcctgacag gattggaatc acccaggaaa 540
nacntctcag gtgtgcctgt naaaaccgtt cccnaaaaa taactgggga aanggaaatc 600
ccccctgaaa tnttgggtggc nccntggnet ggggtcccnc tgaattgaaa aagggaataa 660
tggaataaat tgaaactgtt tcnccccctg ggggangtta ataaaangcn ccgccccncc 720
tgctnnnggg anccataact acttttggtn acngtgcccc cctgncccng ggaaagtcc 780
ttnactgtna aacccaaaaa aatttttaa 808

```

```

<210> 1068
<211> 156
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 48, 133
<223> n = A,T,C or G

```

```

<400> 1068

```

- REPLACEMENT COPY -

gactgagctc aaggtggggt ccaaagaccc tgtgttaagc actcatangt caagctgggg 60
 atacaacccc taaaaacagc acaccaccca tgtttaacct catgaagaaa gataaggaca 120
 aagatggcgg gcngaaggag aagaaggaaa aaaaaa 156

<210> 1069

<211> 363

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 126, 136, 144, 165, 209, 230, 262, 265, 273, 292, 344, 347

<223> n = A,T,C or G

<400> 1069

tacaatgaag tgttttaatt gcaaccctga tctttccgag cttgaagtgg tgaagcctga 60
 ggacagtggg atagaagctt cctacagtcc cgtgtgtttg gaaccttcct gtaatgactg 120
 tggtanaaac catganaggt tgtntttcat cgactcacca attgngggac atgataacaa 180
 ggaaaatcaa cgcgtacaaa acacactana tagttcaaac gaaacagaan agctagaggc 240
 cagtaacttg tatgaggaca gnggntactc atntttcaca caaagggacc gngacgatgg 300
 catccttatc ctggagaatt tcaaaaacag tccccaggcc cgtntgntgg cattaaaaaa 360
 aaa 363

<210> 1070

<211> 151

<212> DNA

<213> Mus musculus

<400> 1070

aactgagatc cgtccagaaa gtgcccagaa gaaacttcct cttagaaaag ctgaaaacac 60
 agtattttata acactggaaa ttgtaaagaa tttgttttaa atggctgaaa acaatagtaa 120
 aaatgtagat gtatggccta aaacaaaaaa a 151

<210> 1071

<211> 390

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 28, 32, 44, 51, 52, 58, 60, 73, 93, 94, 103, 111, 118, 124,
 130, 135, 186, 283, 285, 303, 304, 306, 320, 321, 348, 351,
 356

<223> n = A,T,C or G

<400> 1071

actgagataa tattttgatga tgagtgancc gngtcctcaa gaangccagt nncactgnan 60
 agagaggaaa gancaccagg ggccacttat gennataaac tgncaggacg ngtccttnaa 120
 gttntggaan agagngctcc agtgcatttc accatcatct tcacaggatg gaagctatca 180
 gtttgncccta tggtttattt tctaggaacc caagctactt tcataatgaa aaaacagaga 240
 tggaaaagac ggtgtctgac tgctggacaa gtagttacca ggngngacta aagaatatcc 300
 tgnngntaca tccattcggn ngacatggtt ccatgtaggc agactttntt ntctanagct 360
 tttggaaaaa aggaaacctc atttcaggac 390

<210> 1072

<211> 491

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

- REPLACEMENT COPY -

<222> 120, 390, 440, 473
 <223> n = A,T,C or G

<400> 1072
 actgaggtgt tgccatggtg atggctgtgg aagacagcgt gggtcgggtg gtcgtgcggg 60
 tgaggcctcc caccctaag gagctagaga gtcagcggcg gcctgtgatt caggtgggtan 120
 acgagcggat gctgggtattt gaccccgagg agtgtgatgg gggatttcct ggcctaaaat 180
 ggagtgggtt ccacaatggc cccaagaaga agggcaaaga cctgacattt gtctttgacc 240
 gtgtcttttg tgagatggcc actcaggagg atgtgttcca gcacaccaca cacaacatcc 300
 tcgacagctt tctccagggc tacaactgct cagtgtttgc ctatggcgcc accgggggctg 360
 ggaagacaca cactatgctt gggaagggan ggagagcccg gcattattgt acctgaccac 420
 catggaactg tacaggcgtn tggaagcccc caggaaaaaa agcaattcga ggngctcatc 480
 aagttacctg g 491

<210> 1073
 <211> 488
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 50, 61, 250, 260, 316, 372, 413, 440
 <223> n = A,T,C or G

<400> 1073
 acggcagggt atgtctgtgc tgagtctctg gagccagatt tctgctgcgn ggtctcacag 60
 nggcgggtaa acccaagcct cttccgggtcc ctaggaaagc gatgcaggct ggatgtcaag 120
 gattcctttg accaagcttt gctgacctct agggccagcc aggggttgca ggatccacag 180
 ccattgtttc ttccaagccc cccatactgg gagaagccag ctttggcctg acttccacca 240
 ccaccatttn tgccccacan aagggttccta gtcaggaaaa cctacaacca caggacacac 300
 ctgtgtgttc cacagntctg ccttcttcca caccagcaa aaaattccct tcctgggagg 360
 aaaccagtag gngacacaaa cacttatgca ccttctccct aatttctggg ganaattgag 420
 cccttgggtc ggttacctgn aatgggtata aaccaaataa aatggttctc aagagttaaa 480
 aaaaaaaaa 488

<210> 1074
 <211> 407
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 269, 317
 <223> n = A,T,C or G

<400> 1074
 tgaggaagaa gttttggtat gaaggctcct ccctgggggtc tcacttgacc cccaggccat 60
 ccaagcatga gttcctcacg aagaccacct caaagaagac taggaaggaa gacagcatcc 120
 gcctgagggt cctgaacggc cttctctaca aatcattgac ggaactgctg tgcactcctc 180
 aagtgaacca ggaggtctac gacctgaatg tggagctgtc caaggctctt gtgacttcaa 240
 acttctcagc ctgccgagtg tactggaana cgggggtctc tgcggagcaa aacaagcaca 300
 cggagtcggt gctgcanagg agccgctgcc tacataaggc atcttctgat atctcaacaa 360
 accctgaaaa atgttccacc catagtgttt gttcaagaca aaaaaaa 407

<210> 1075
 <211> 170
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

- REPLACEMENT COPY -

<222> 41, 43, 48, 68, 69, 79, 80, 104, 113, 150, 153
 <223> n = A,T,C or G

<400> 1075
 gcggatggcc atacttacat gtgtgggttg aatctgccag nanaaaangc taaaccacat 60
 gatgtacnna ttaacatcnn atcatacctc cgagtgcac caantacaat aancaccggc 120
 agccgcaaaa atccctgact tccccctcn atnacacaaa attaaaaaaa 170

<210> 1076
 <211> 233
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25, 96
 <223> n = A,T,C or G

<400> 1076
 agactgagga gcctgagggg ttcanacgga ggccttgaat ctctggagc tgaactgcct 60
 gacatgaatt ctgggaagtg aatttaggtc ttccanaaga gcagtatgca ctcttaacca 120
 ctgagctact catttttggt gcaggcgcct gcaatgaggg atccgctgct tctgggtgctt 180
 ttcagcgact ggactagggt tctcctcgtc ctttccctcc tgaaaaaaa aaa 233

<210> 1077
 <211> 511
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 122, 136, 147, 185, 209, 455, 481
 <223> n = A,T,C or G

<400> 1077
 cagacataat tgttttgtct gataatgagg cctccagtc cccgatccagc tcccggatgg 60
 aagagagact caaagcagcc aacctagaga tgtttaaggg gaaaggcatg gaggagcggc 120
 ancagcttat caagcnactg agggacnagc tacaattgga aaaagctcgc ctggtgctgc 180
 taaanaaact gagacagagt cagctacana aagagaatgt ggtccaaaag actccagttg 240
 tacagaatgc agcatctatt gtccagccat ctctgcaca tgtgggacaa caaggcttat 300
 ctaagcttcc ctcccagccc ggggctcaag gaattgaacc tcaaaatatg agaacattac 360
 agggtcacag tgtcatccgt tcaagcaacc aacaccaccc ttccacacat gttgatgtct 420
 caacgtgtta ttgcccacaa ccaacccaac tttanggcc gcggggtcca ccgaaacctg 480
 ncattgtacg caccacacac ctaacatgaa t 511

<210> 1078
 <211> 209
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 41, 59, 61, 100, 109
 <223> n = A,T,C or G

<400> 1078
 tctctaccct ccagagctct cttgagtgt gaggcttcgg nctgacttgc agccgctgna 60
 nagataacgc ctgagtcctg aattgcttta cctattgcan gttaaaagnc tacagttcaa 120
 acaaaaaccc tgactgtctg agaagcagca tcaatctgca gaagcggcct ctggagttat 180
 acacagataa ggacacagga tgaaagacg 209

- REPLACEMENT COPY -

<210> 1079
 <211> 471
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 169, 218, 275, 302, 311, 338, 389, 393, 415, 425, 427
 <223> n = A,T,C or G

<400> 1079
 caccctcag atctgtcttc aaaaggcttg ttcaagtgcc aggagtggcg gagcacgttt 60
 gtgatccag cctttgggag gtggaaacag aaggatcgga agttcaaggc cctcctcagc 120
 tattatagca ggcagtacat tccgtgttca ccgtgtgcca gctgacggnt ttcagggtgag 180
 ttgttggctc attggccaca cgctactctg agccaggnga tgtgggtcatc tccatttcat 240
 ggatgcacgc tgcaaaccct gtgttctttg ggaanacaat gtaagcctga ggggaagtct 300
 antaaggcaa naggctaggg gtgaggaagg gctgaaanag ggaactgaga tccattcgaa 360
 actgccatgc aaactataaa gtatcctgng tgngtcttta cacgtgccta atggngcttc 420
 attananaca actgggtttc gcactgccac ttaacattgc aaagtcactt g 471

<210> 1080
 <211> 332
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 69, 74, 82, 84, 88, 92, 94, 96, 98, 100, 104, 105, 108, 114,
 119, 126, 145, 146, 152, 155, 158, 165, 166, 167, 181
 <223> n = A,T,C or G

<400> 1080
 aactgaggaa tcagagactc agccaattgg atgtccgaag actcgggagc agggagggaa 60
 gcgaaggang ggcngaagat gntnacancg cngncngngn atgnnctngg aggncccgnc 120
 tcctcncctt ctataatctg gcggnnctta antgnatnac caatnnnatc gggcctacct 180
 nccgagctga ccaatgggag ccggaagcgt tggccaggcg tgagggtcgc gaggcggcgt 240
 atggcggacg cgggtgctatt cgagtttctg cacaccgaga tgggtggcga gctgtgggcc 300
 ccggaccgag acccaggctc ggggggggagc gg 332

<210> 1081
 <211> 160
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 125, 129, 141
 <223> n = A,T,C or G

<400> 1081
 aagaactgtt accagaantc gtgcaccttc agtccgaagg ttacctctgc ctccgcggcg 60
 tcaactgcc ccctctcctg accggaactt gcccggtga caaatccaga gatattgaag 120
 agttntganc caccactgct nagctacaaa aacaaaacaa 160

<210> 1082
 <211> 435
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

- REPLACEMENT COPY -

<222> 16, 19, 185, 246, 318, 371, 382, 390, 392, 395, 396, 400,
410

<223> n = A,T,C or G

<400> 1082
cgtctacgct cctctntana ctgaggtaca gttaaagaat ctggtgcaaa acacaaggga 60
cttattgaaa tacccagcct ttctgaagaa aacgaaatca atgacactga ggtgaacgtg 120
agtgaaaaga aaggagatgg ggaaatactg aaggatctca tgagaacgac aggcaccgcc 180
aaggncaggg aggccttgg agagtacctg aaggcactca agacggaatt tacaacagga 240
atgatnctta ccaacaaaag ctgtagcaac ccaaggaact tgactcttca ccagggaaac 300
tgagatgaaa acaaagcntg caggctttct tcccaggagg tcactggggg gttgaaggga 360
ttcccacagg naggcttttg gnacctttgn ancannaagn ttggttttgn ccaccggacc 420
agtcaggaaa cccag 435

<210> 1083

<211> 210

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 42, 53, 113, 123, 132, 157, 161, 166, 168, 179

<223> n = A,T,C or G

<400> 1083
tgggcagagg ccataactac ttcttgggga acnctcaaag gncggacagg aancatggct 60
ggcatccata tatcgtactg cctcgatcag agaagatcct atactttcta ganaatagga 120
acntccgaat anagaacctt gcagaaagct cagacgntct nacgtncnga ggaagcgang 180
ttgaggtgcg tgggacaaaa gaggagagaa 210

<210> 1084

<211> 322

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 132, 133, 173, 176, 223, 226, 241, 244, 261, 263, 290, 294,
296, 302

<223> n = A,T,C or G

<400> 1084
cgtggtgact attccacttt catttggaaa gaacacgcat cctgctggct ggaatgcggc 60
tatatcatca atcaactctg ctcatccagt tacatccctc gggatcatctc tgcccttagc 120
tagcccatag gnnggctcgt ttatcatcta gaagaggaga ggaacctcaa ctngangaaa 180
aatgcctctg taaagatcaa gagctagtca tgccaaagcc cngngtnagg catcttatta 240
natntacttg gaatagatta ngnggggggag agggcccttg cccattgan ttngngnttg 300
tngcccatc ccttagagct ag 322

<210> 1085

<211> 109

<212> DNA

<213> Mus musculus

<400> 1085
atgaactgag acattgtctc atgtagttcc ttctgtggac gtttggagtc aagaagtcaa 60
tcgttctgat aactacagat tggattccta aaggtgcaag aaaaaaaaaa 109

<210> 1086

<211> 279

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 40, 147, 223, 232, 247

<223> n = A,T,C or G

<400> 1086

```
gaatgtcagc gggacatccc tgagcagcac cgcagcgcan atgtgcacag atgagggcagg 60
aggacggcag gtggagtaag ctctctgatg atgtcactca taaaaagcaa gccacgagcc 120
agggtggcga catagctcaa ggggtanagt gctcacggag gagccgcagc gaaaaccctg 180
ggttcttcca tgcccagcac cgtataatcc aggtcctgtg ttnaaatccc anaaaccaca 240
tgggggntca caaccctttg taacgagatc tgactccct 279
```

<210> 1087

<211> 471

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 233, 240, 336, 342, 345, 354, 365, 381, 393

<223> n = A,T,C or G

<400> 1087

```
ggactattga gcaagcgttt aagccccag ttctgagcca tggcctctgc agtcctcagc 60
tctgtgctca caactgcctc tcgctttgcc ctgctacaag tggacagcgg cagtggctct 120
gattccgagc ctgggaaagg caaaggccgg agtaatggga agtctcaaac tctgggaaac 180
aaagcaacct caaatgagaa gaaacgggag aagagaagaa aaaagaagga acngcggcan 240
agtgaagcaa acgagctcag gaatcttgct ttcaagaaaa ttccccagaa atcctcccat 300
tccatttgca atgttcaaca tgagctttca tcgccnaacc cnacncaaaa agnggtccccg 360
ggaanaaaac tggcaagaag nggggacccg aangatgaac cgctgacctc tgaaatgttt 420
gaaactgacc ttgaaaaagc gttgctgttg aataaactgg agtatgaaac c 471
```

<210> 1088

<211> 283

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 30, 245, 255, 267

<223> n = A,T,C or G

<400> 1088

```
gactgagaga caaagccctg aagagtctgn aaatgagtcg gcatctttaa gtcagagct 60
ataaccctga gttttggcac agacctgatg gcttgagcct gctgatgtcc agtgttctgg 120
aaatccagtg cccatagatg tggactaagg aagagcccgg ccatgggtcac tctcatcaca 180
gagaagctgc agaaccagag tttggatgac ctcacccgca gggcctgtga ggctggcccg 240
tattntgctg agaantgaa caaaagnngc catttggtcc ctt 283
```

<210> 1089

<211> 369

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 31, 32, 37, 51, 61, 71, 108, 149, 150, 153, 162, 168, 169, 173, 174, 191, 205, 215, 217, 222, 264, 314, 315

<223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 1089
actcgaggga cacatgcctg tgtctcacaa nntgctnccc tgcctctact ntgtgaattt 60
nccaaactct ntaactctga ttcactctta ttcactcttc cctgtagnnt gtgtgtaaag 120
agcccttaaa gcaatatggg ggaggggtann agntgagagc cngtggcnng canngcctaa 180
acttgggtaca ncaaaggaaa tttcnaggga cttgntnctg antctgggag acacaggcga 240
tccatcctct cccctatttc taangaaaca gtataacttt gggaaatgga tgattccatg 300
tttaagaggc ctggnattgt atacttggca tttctgattt cagttctaaa attctgtccc 360
ttcgtcata                                     369

```

```

<210> 1090
<211> 164
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 25, 52, 79
<223> n = .A,T,C or G

```

```

<400> 1090
tgcaatgcgg gcacccttcc catgntgaaa ggaatccttt gtcactcacc angtgaatga 60
gactatactg atgggcctng cctgtaaaag gaacaatatt tttctttctt tttttcatgc 120
caggttatta aagatatagt gaactgaaag ttcaaaaaaa aaaa 164

```

```

<210> 1091
<211> 384
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 47, 67, 71, 73, 85, 92, 95, 96, 97, 98, 104, 105, 106, 111,
112, 130, 144, 160, 278
<223> n = A,T,C or G

```

```

<400> 1091
ggctgtctct gccaggaagt cacgctgaac aaacaggtga acttcancaa acagaccatc 60
gcggggntct ncnaataaac ttttncaaga cnttnnnntg tagnnncaca nnaacagaat 120
gagaccctgn ccccgctgga gggngagatc actcagctgn ccaaactcag cggccagatc 180
caggagacag ctcagaagcc ggacctagac ttcctccagg agttcaaaag cacactgagc 240
aagtgcagca gcgtgcccag ctccaagcca accacagnct catctgagat gaagaataaa 300
gtgtggaatg tttccctcaa gagtttcgtc ttaaaaggat tgctgaagaa gttcaaagag 360
gatctccagg gagagctgga gaaa 384

```

```

<210> 1092
<211> 368
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 235, 240, 246, 251, 267, 268, 276, 277, 281, 282, 299, 305,
308, 315, 327, 330, 335, 337
<223> n = A,T,C or G

```

```

<400> 1092
actgagaaac gggcgtgcag gaggtcagaa ccaggtggat atgaagtgca gcggccacat 60
gctaaccacc tgtgccctgc tgtcctggag cacagaggac caggagccca ggccacgagg 120
cctgcctgca tcacaaccag actgtagcca ggagaggctg agctcaatgg ttctgcagaa 180
cggtggaagg agttcgcccc agccttgctt gaggtgtatc tcgggggagt ctggncattn 240
taatentacc naccatcatt ataagannca tatggnnctg nngaaatggc taacgggcnt 300

```

- REPLACEMENT COPY -

aaaangcnta ctganctttc taaaggncn atgtnanaaa ccactaccaa cctgggggggt 360
ttccacac 368

<210> 1093
<211> 338
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 66, 72, 79, 83, 88, 91, 92, 96, 103, 106, 112, 123, 129,
138, 139, 143, 146, 166, 174, 178, 180, 182, 186, 187, 199,
201, 211, 214, 215
<223> n = A,T,C or G

<400> 1093
gcagccgact gtgaagaaga aaaagaagat ggatttactg aaacncatgc aggaagagcc 60
actttncgag gnggagccnt gtnccagnac nncatntcct agnccngaga anaagaagaa 120
cangaaaang aagaggggng ctnatgnacta atgaaaagga accatngccc tgtncnccan 180
cncatnntgc ttacgattna nttgggagca nagnncatca gatgctctca tattatccccg 240
ggagggttgaa tatctaactt ttcaagcctt tttgtgtctt gacatcaact gttgacctta 300
gtctttgata cacaataaaa atattttctt tgtattat 338

<210> 1094
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 51, 71, 92, 101, 131, 162, 168, 169, 170, 172, 176, 180,
181, 184, 186, 190, 191, 202, 204, 205, 208, 209, 212, 222,
227, 238, 349, 355
<223> n = A,T,C or G

<400> 1094
gtggaactct cacaaggtnn ggacaggaac catggctagg atccatatat ntactgcctc 60
gatcgactaa nctcttatac tttctaaaga anaggacctt ncgaatcgga actttcaaaa 120
gctcgacctg nacgtcttct aaagagagag ggctggataa anggaggnnn gnggcngggn 180
naancnaggn ngtcacacac tnanncanna anccctccta anggagnttt ccaccatntc 240
ctgaggctgc actgcctgag agccactgac tgccttacct atgaggctcc tgggctggag 300
ggcgagcaca aggagtgggg actgacttca aggttgagga gaagcgana ccccnaggct 360
cgtggtgaaa gcc 373

<210> 1095
<211> 141
<212> DNA
<213> Mus musculus

<400> 1095
tgttaatgga tatacagatc cttctgcgga ggaattgaga aatctaataa tggtgcatgg 60
aggtaataac catgtgtatt attctagatc caaaacaaca cacattattg ctacaaatct 120
tcctaatagcc aaaaaaaaaa a 141

<210> 1096
<211> 279
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 21, 72, 78, 86, 145, 168, 171, 179, 184, 190, 199, 241, 245
 <223> n = A,T,C or G

<400> 1096
 gttttgcctg gataacgaca ngaagatggt ggcaggatcc cccggaagtg atgttacaag 60
 gcactcacct gncactgnca agggcngggc aggccatcct tccgagccca tgggagccgg 120
 gaccactaag actgctggtg ggaanaagtt ggggtgctggg ctgatgggnt ngctttctnt 180
 tggnccttcgn ttgtaatgng gctggcccat gttggtttta tgtttaatgc tgcgcttata 240
 ntaanaaaga gcccccccaa gctgtacatt tataaaaag 279

<210> 1097
 <211> 300
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 20, 28, 33, 42, 43, 48, 49, 52, 66, 72, 78, 81, 108,
 112, 150, 182, 190, 203, 224, 236, 238, 239, 252, 255, 276
 <223> n = A,T,C or G

<400> 1097
 agaggcatg aagcangggg gcccctcncc ccnccccct gnnggganng gntgattact 60
 ttcctnaaaa anaccacngg ngggaccgac ctttggccac tcacaggag gnggaagcac 120
 ttgctatctc attccctaag gaccaatcan tttaaaagtc tcaactgtttt gccaatcaca 180
 tngggcctan actctggggc ttnattccgc tcctggaaac tgnaaaaaa ctcatanng 240
 ggccgccttt cnttnggggg caggacaccc ccagcntgct ggaacaaaaa attccttttg 300

<210> 1098
 <211> 152
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 75, 79, 114, 117, 124
 <223> n = A,T,C or G

<400> 1098
 tccttcacaa aaaaatctct acanggatgt gatgctggac acctacagga acctcactgc 60
 tataggttat aatgnggana gaccatattt attgaaacaa cattgtcaaa gttncanaaa 120
 cacntgggga ggcttttttt catgtcccaa gt 152

<210> 1099
 <211> 284
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 63, 64, 80, 129, 154, 174, 194, 197, 202, 229, 245, 252, 265
 <223> n = A,T,C or G

<400> 1099
 gggggccaag cacatcacaa cacctgggtg ggtgttcggt ttttctccaa agcttctggc 60
 tgnnctccgc caaaaactgn aggtgctggg tcaggaaaac tgccttgtgc aagcttactg 120
 gggaggcanc acctcgaaaa caagctgcaa acanacggca gccaggccag ccgntttttc 180
 aaccagggaa aaantanagc cngttttttt cctgcaactt atcaagtent tcaaaaaaag 240
 agganccaaa angaggggat gaggnccatt tgaaaataaa aaaa 284

- REPLACEMENT COPY -

<210> 1100
 <211> 302
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 79, 83, 109, 114, 116, 127, 129, 164, 175, 178, 179, 183,
 198, 201, 202, 209, 210, 218, 219, 238, 240, 241, 242, 275,
 280, 281
 <223> n = A,T,C or G

<400> 1100
 caaatgatcg cctcctgtac tggagctgtc ctgacatcac taatggggaa aatttatgat 60
 cccgggccaa attatgtanc ttngattatt ctatcaaagt tttattatnc tggnaaaaaa 120
 gtgatgnana ttttgagggg gtggcggcgg agggatccct cccncattgc acaanaannc 180
 atngtttcgg ttatttgnag nnaccggggn gcattganng aaaaccccgg gcctatgntn 240
 nntaaaacat ttttcttcac aaaaagaggg acaanaaagn nccccttggt atcgggcccc 300
 cc 302

<210> 1101
 <211> 334
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 35, 40, 69, 81, 93, 109, 117, 139, 144, 156, 170, 172,
 184, 201, 233, 239, 242, 249, 253, 258, 269, 285
 <223> n = A,T,C or G

<400> 1101
 aacatgtgcg ccgttcnctg ccagagctgg cccancacan ggctgacatg ccagagatgg 60
 gaagagcana gccagggccg ntatatacac cgngggagcc cccttgcant gcttganaaa 120
 acttgggagg acaacaagng ggtnccttcc gtaagngagg aaagccttgn tnaaacaggc 180
 catnatcttc cgggaccaca ntgaacccca ttgcccacag gccacacagg cangcaatng 240
 cngcccgcnc ttncctcntt gtaaccaang gagggaaacc tggngnggtt tttgggtttc 300
 cgggcccatt tttttttttt ccaccttttg gttg 334

<210> 1102
 <211> 138
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 29, 30, 47, 52, 53, 55, 63, 77, 81, 91, 102, 119
 <223> n = A,T,C or G

<400> 1102
 ggggagccgt ctccgtcttc ntccctccnn cacaatgaga gttaatngtt gnnngntggcg 60
 acnccctcag cctgacngtg nattgatccc ntctttgaca gntggacttt caaagacct 120
 atttcaaagt aaggtggg 138

<210> 1103
 <211> 239
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

- REPLACEMENT COPY -

<222> 27, 36, 37, 38, 41, 46, 50, 57, 77, 91, 99, 140, 180, 187,
191, 196, 205, 209
<223> n = A,T,C or G

<400> 1103
tatgcaccca ggggggggacg atgaaanaaa tctatnnnga nctctncaan aacaccngtg 60
ggagcacaat agctganatt cgaaggcttg nggattgana ttgaaaaact tgcagggtggc 120
ttgcaccaac aggaacttgn tgagatgaaa gcacaacctg ggagttaacc atggccccgan 180
atgcggnaaa ncctgnaaac aggancggn tttgggtcat cgccgagggg aaagaaaca 239

<210> 1104
<211> 136
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 107, 109, 118
<223> n = A,T,C or G

<400> 1104
tttttttttc caagaattta aggctcctga catattcatg gaagtgctgc caaatccccg 60
ggccccgat taaaaaaaat ctggggggga attttaggga atatggntng tttccggnaa 120
atatgcgagt ccatca 136

<210> 1105
<211> 256
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 26, 60, 96, 100, 102, 116, 126, 129, 140, 146, 157, 172,
175, 178, 198, 206, 225, 231, 237
<223> n = A,T,C or G

<400> 1105
aaagacatcc tgaaancttc tccagnaaag agcccaggca cacggcctga atatgaggcn 60
ggcgggaacc cccttcatag ggaaaagggtg gcccancaan ancaactttg tgctgnctgt 120
ggccgnagng cttcgggtgn tttggncaac gtcgggngtt tcccgtccct tntgntanaa 180
aaagggggga ggggcgtnc tcaatnccgt atttttat ttctnttggg ngagccngcc 240
ccgcctgtgt tttttt 256

<210> 1106
<211> 297
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 48, 55, 60, 62, 66, 69, 73, 78, 91, 110, 178, 185, 186,
192, 211, 221, 229, 240, 254, 259
<223> n = A,T,C or G

<400> 1106
gcaagaaagg ccttcctgcc gagcaggggtg cgggcttgat ctcnactnct gggtnntagn 60
gngganaang ccnctttntt ttctgaaaag nggaagcaaa acgcctcccn cttgcacagg 120
ggggccatgg gtaaaccctt tggtgggttac cacctgattg aatggggggg gggtttgnaa 180
tgacnntctg gnaccaattg aattaaaaaa ngggggaagc ntttttttnc agttaagtn 240
gggggggttaa aaanggaanc caaccctgaa aatttggttt taaaactaac cttgccc 297

- REPLACEMENT COPY -

<210> 1107
 <211> 282
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 55, 61, 75, 79, 82, 88, 112, 119, 141, 161, 171, 176,
 181, 187, 229, 231, 243
 <223> n = A,T,C or G

<400> 1107
 aaaatgtgct atggaggcta aagaatggna cttcttaaag aaaatatttg ctttntgcaa 60
 ncgacggagt cagtnaaanc anccagtngc aaaaagggtt caccagggct gncttacgng 120
 ggggaataaa aaacctgcca ntcaagctgc aatggattga nctctgcggg nggttncaaa 180
 nggaaanatt ttgttgaaat tgagcgtgct cggctgacta aacccttanc nctattaaaa 240
 gancaaaaagg gcgattgtga aaaaggctgc ctctctcttc aa 282

<210> 1108
 <211> 231
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 28, 35, 37, 48, 52, 58, 63, 66, 69, 75, 76, 78, 79, 86,
 97, 100
 <223> n = A,T,C or G

<400> 1108
 attttctttt acttcggtat ttcctntntt tattntnttt tttttctntc cntggtcntc 60
 ttntnttgnat atctnnnnt ttttantcag tattganaan acagccacgg ctgtggccca 120
 ctgcaaacgg ggtaaatggg ctcatcaagg tgaacggacg tcccctggag atgatcgagc 180
 cgcgcacgct gcagtacaag ttactggagc ctgttttgct tctgggcttt t 231

<210> 1109
 <211> 142
 <212> DNA
 <213> Mus musculus

<400> 1109
 ggaagggaag gttctctcaa cctgctcgtc gctcctatga gatgcctgtg gagttctgag 60
 tctgtgtggc taaaaccatg aagttctgat taccgaaaca gtgctggctt gatggaagat 120
 ctgtctggag aggttatata ta 142

<210> 1110
 <211> 429
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 302
 <223> n = A,T,C or G

<400> 1110
 agactgaggt tttgtggagt cggagctgaa gaagattctg tcagtgcaac gagaggctcg 60
 cctctggaag gtgggcaacc ccgagggccg ggagctgctg acccagccag acatcacact 120
 ggaggaggct ggcattggtg acggccagca cctgctcctg gaggagatgg acgagatggg 180
 aaactggccc cctccagatt gagggccgtg ccggcaggag cccaccgtgc ccacactcct 240
 gggaccccag tctggcgtgt gcctcttctt gggacacatg caaggagtcc ctgaggccct 300

- REPLACEMENT COPY -

gngtttttggg atgaagtaac atcctgtgtg tgtgcgggtg gcctgcctgg cacttgtccc 360
 taccctgtca gactcctgca gatgacgtta ttaataaaaa gcttagtttt gacatttcaa 420
 aaaaaaaaaa 429

<210> 1111
 <211> 207
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 18, 29, 58, 62, 63, 65, 67, 68, 69, 74, 86, 87, 91, 92,
 97, 107, 144
 <223> n = A,T,C or G

<400> 1111
 atggagtatg ccttgtnntg ccagaccanc ccctattatt gcattgtgtg accctgtngt 60
 gnnanannnc ttntatgca tcctgnncaa nntcttnaag gggccanagc cggcgcctaa 120
 ctcggggtcc atcacttggc tcantggatg accactttgc caaaacactt aggtgacaca 180
 ttggcttttag atcaaaagca cccaaga 207

<210> 1112
 <211> 147
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 63, 66, 81
 <223> n = A,T,C or G

<400> 1112
 gtatcctgtt ttatattttg gtctttgacc cgttnggact tgagttttgt gcagaggaat 60
 aantanggat ctatttggat ncttctacat tctgacatcc agtttgacca tcaccatttg 120
 ctgaaagaag cgtgcctttt tttccag 147

<210> 1113
 <211> 127
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27
 <223> n = A,T,C or G

<400> 1113
 aaaactccat gagcctcctg atacagngtc agatgacgac aaagaccatg gaaagaaaaa 60
 agggaaattt aagaaaaagg agaaaaggac tgaaggctac gctgccttcc aggaagacag 120
 ctctgga 127

<210> 1114
 <211> 107
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 68
 <223> n = A,T,C or G

- REPLACEMENT COPY -

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<400> 1114
cagcctggcc tacattgnga aacctcattt cgggaaagtg aaatactttg tcaattaaca 60
tgcaccngg ttcaataaag acttttggaa agtgtcaaaa aaaaaaa 107

<210> 1115
<211> 173
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 24, 25, 29, 41, 42, 49, 75, 82, 87, 102, 104, 113
<223> n = A,T,C or G

<400> 1115
ggctggccta cgttgntaaa cctnntttng ggaaagtga nnactttgnc aatttcatgc 60
agccggctca ataangactt tnggaangtg tcaaaaacta tncntggcta aanaatgggc 120
ctccctctt ctttataaag cgtgtttgct gacattaaaa ttgaactttg atc 173

<210> 1116
<211> 162
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 58, 77, 82, 83, 88, 91, 99, 101, 103, 110, 114, 116,
117, 126, 137
<223> n = A,T,C or G

<400> 1116
taattacttc ttgtggaact ctcaaaggnc ggacaggaaa aaaaaaggag ccctaaangg 60
accggggggg ggggggnttt tnnccctngg ncacaaaana ncnccttn tttntnnggt 120
tgccngatt tccctngta cctcccgaca tttttgataa aa 162

<210> 1117
<211> 306
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 38, 83, 102, 103, 105, 108, 114, 118, 122, 124, 125, 132,
134, 137, 149, 150, 160, 168, 171, 183, 191, 193, 194, 224,
237, 250, 259, 271, 287
<223> n = A,T,C or G

<400> 1117
ctgaggtaca ccaggggttg gaaaaaccca ctaggcanag aacttgcac aagatcaggc 60
ctgaagtacg ttaaccgtgg ganatctagc tcgagaaggg cnntnatncg gacngctncg 120
angnngagta tngntgnccc attctaaann aggatagggn tgcccatnag ntagaacatc 180
tcntgcagga ngnggggtg acatgaatat taccgggag tgtntacttc ttcccgca 240
gctgggcctn tatatgtgnt gagagccgat naacaaaatg aatggtngta ttgtttacac 300
cacctg 306

<210> 1118
<211> 162
<212> DNA
<213> Mus musculus

<220>

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- REPLACEMENT COPY -

<221> misc_feature
 <222> 36, 37, 42, 46, 48, 99, 100, 103, 104, 111, 135
 <223> n = A,T,C or G

<400> 1118
 ttgtggaact ctcaaaggct ctgacaagga agcatnngca gntcananaa aggggcagcc 60
 tggcctacat tgaaaaacct cattttggga aagtgaann ctngtcaat naacaatgcg 120
 cgatgggttca ataangactt ttggaaaggg tctcaaaaaa aa 162

<210> 1119
 <211> 215
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 30, 35, 59, 72, 115, 180, 184
 <223> n = A,T,C or G

<400> 1119
 ctggggggggg aggaaaagac ncccgggagn ggganatttt ttttgagaca aaagatgtnt 60
 tccagctgaa anacctggag aagcttgctc ccaaagagaa aggcataccc cgccntgtca 120
 gtgaaaggaa gtccttcaac cctattggat gacgggttgg ttgactgcaa aaggatcggn 180
 accnccaatt actatggggc ttttcccagag caggg 215

<210> 1120
 <211> 153
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 53, 63, 72, 79, 85, 104, 124, 128
 <223> n = A,T,C or G

<400> 1120
 tgggatgccca ggtctgtacc aacacaccca tttnttgtgt gagtccatca cangtgagca 60
 aanaccgaaa gnaggcagnt tttnttttgt ttgggggggag gaangcttaa cggcccgtga 120
 aaanaagngg ccagggggtt gtgcaaagcc gat 153

<210> 1121
 <211> 304
 <212> DNA
 <213> Mus musculus

<400> 1121
 agactgagat gtcaaaaaag attggctcga ccatgctctc tgggtgggaaa agaagaggac 60
 ttggctgctt aagacacact ggaccttga taagtgtggc atccaggcag atgccaagct 120
 ccagttcacc ccgcagcaca aactgctccg cctgcagctt cccaacatga agtatgtgaa 180
 ggtgaaagtg aacttctctg accgagtctt caaggctgtg tctgacatct gcaagacttt 240
 caatataaga caccctgaag aactttctct cttaaaaaaa cccagagatc ccacaaaaaa 300
 aaaa 304

<210> 1122
 <211> 219
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 26, 33, 46, 55, 72, 79

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 1122
aaggccctgt tgggggtggg tgcngnctag agnggaaaca atgacncctt tgagngggaga 60
aaccttttga tntctgtgng caacacggat cacaacaatc tgggggtgggg gctggggggtc 120
tgaacctgcc cttttttttt tgtaggggac cttcttaaac cagtcaaggc tgccagaaaa 180
acctttttta aaacaatggt gcaaaaaaca cacacttgt 219

<210> 1123

<211> 240

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 30, 42, 47, 50, 55, 64, 73, 74, 76, 125, 126, 141, 158,
162, 178, 189, 200

<223> n = A,T,C or G

<400> 1123
cctcccccaa caaggccatt tgtgncccn ccctgtaaaa anggatnatn atgangaaca 60
cccngtggac canntnatca cccggtctgg ctgtgctccc tccctctttg caaagcaaag 120
attgnntggc ccaacaccaa nactggcccc agtgccancc cngaagggtg aggccttnaa 180
aggattgtnt gattgcccna caggcaaaac ggggggagga gctgccaagg aaaaaaaagc 240

<210> 1124

<211> 287

<212> DNA

<213> Mus musculus

<400> 1124
aagggaagc agcgtggctc aagccgctca cctgcaagcc ttcgtcagcc ctgtagtcaa 60
gaggaagcca gcagcttcac tacgtagtgt ggaaagagat ctgtctggtg acatcggacc 120
agcgtgcttg tgagatacat gtgcatgtgt gcaagatgac gggaggaaga agcaaggaat 180
gttttaagga atcttcgtgt gtagcagagt tttctctggt gactcgcaat ctatctctcc 240
tgaaaccagt aaatgaatta aaatgaatta acttaaagca aaaaaaa 287

<210> 1125

<211> 180

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 31, 45, 47, 49, 53, 64, 75, 77, 79, 80, 82, 83, 123, 138,
142

<223> n = A,T,C or G

<400> 1125
cagtgtaca gtcacaggac acaaggacgg natgctggca catgntngnt gcnacacagg 60
atgngctatg acatnctnn tnnatgcac ccgatgacac ttctcatcac ttttccccca 120
ggntacttct ttgctctncc tngctgaatt tatgtaaaac gaagtgccaa atttaatatg 180

<210> 1126

<211> 304

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 135, 207, 223, 235, 237
 <223> n = A,T,C or G

<400> 1126
 gtccacgtaa tctgggggaaa gcagtttctc tggaaaagct ttgcttccta caaacacgcg 60
 ctttccctga ggcctgcttg cagccattgg acacttggtc tagtgtgtgg atttctatgt 120
 cttctgtcgt aacanaattg tctctgtgcc ctgtgattgt tttgggtagg gacgctttgt 180
 atccttgtag agtagtcttg acgattntcc tcccctacgc cantttttgg ttggngnttg 240
 ctatctaaaa ctggtatatatt tttctgttgg ctaaataaat caaagatttg gaacttttaa 300
 aaaa 304

<210> 1127
 <211> 286
 <212> DNA
 <213> Mus musculus

<400> 1127
 caactgaggt tggggattta agagtgggaag attgccaaca gctgtggcct cccatgaggg 60
 tgtccccctt caagtttctca gaacggacgc aggactgcag atctgtgctg gcagcagcag 120
 aggctatatt cccagaggag tctccagccg gcctgaaagc aaatataccta agtgacatgt 180
 ctgccaatth tgttctgggt gggcacattt ggtaatcctg tctgtaccac aggatcttct 240
 atgcctttta aaaataaaca tttgtttata aaccagaaaa aaaaaa 286

<210> 1128
 <211> 118
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 74, 77
 <223> n = A,T,C or G

<400> 1128
 gattaaggcc agactgacct acattgagaa acctcatttt gggaaagtga aatactttga 60
 aaattaacat gcanccnggt ccattataag acgtttgtgg aaagtgtcaa aattaaga 118

<210> 1129
 <211> 110
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 34, 36, 48, 59, 61, 63, 68
 <223> n = A,T,C or G

<400> 1129
 gtaaggtttg ggctgatgta aatcctgnac aaangncata attacttntt gtggaactnt 60
 nanaggtncg gacaggaagc ctggctgggg tcatataggg tgccctgcctc 110

<210> 1130
 <211> 324
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 32, 50, 57, 67, 68, 80, 131, 148, 161, 171, 182, 187, 190,
 193, 196, 203, 219, 259, 261, 265, 293

- REPLACEMENT COPY -

<223> n = A,T,C or G

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<400> 1130
ccaactgagc gtcctgagaa caaaatccta cntctgtcag cctgtgggan ggagganaga 60
tcatggnttc tgagcctgtg gagagacccg agagccccct gcccttaaag ggcacacctg 120
gagtcccca ngatcaatag gaggtatntc tgggcagccg ntctatcct ncagctgtcg 180
gnaatcnccn gancangga canaacacgc ctcccaagnc tcctcataga gagctgggtg 240
cctgcaaggg ctctggaana nctgnacca ccgtgagaag ctctccact cantgcggaa 300
tgagccgagt ggtaggagc ttgc 324
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<210> 1131

<211> 344

<212> DNA

<213> Mus musculus

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<400> 1131
gaactgaggt ggggtctttc acctgaagct ggccagtttc ctgtgccaaa gccttcgacc 60
ttggaaagag cagcgcagtt ccaaaccaaa gtcttggaag gaggaggagac catgggttcaa 120
acctgtaaca aagaggcctg ctgtccagct gccgggctcc cttttggcca gcaagcaagt 180
caccctcca cctgcagtgg caccggcct ctaggagctg ctgactagcc tggctgagtt 240
gcttctaagc cttccaagcc tgagtacaga gagaagcctg gggaggagac agctgtgaaa 300
gagcaaggat agtccacctg cccctaccc aagttttgga cgtc 344
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<210> 1132

<211> 315

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 41, 49, 56, 66, 94, 95, 103

<223> n = A,T,C or G

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<400> 1132
gctgtgaaaa gagctggagt ccatctcttg aggggctctg naacctganc acagangtgg 60
ggcctncgca aaagtgagga ctctgactac ctgnnagacc ttncaaccaa gtggcactga 120
atagctcgag tcatctttct ttaaacaatc tttcttttaa caatcacaag cctgctcca 180
ggagcagtga tatcattggg tattctactt aatgaaatca taacatcagc attataaaaag 240
ccccatcact gtaaaagccc tcaatagttt tccttcctcc ttcccatctc ctgctatcga 300
ttgaggaatg taagc 315
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<210> 1133

<211> 322

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 30, 112, 113, 128, 134, 153, 157, 167, 170, 205, 214, 234, 293, 304

<223> n = A,T,C or G

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<400> 1133
gaagaggggt ctttcaccac cagcccaagn actctcagct gctctgcaga agacacttcc 60
ctgcatcgcc ggagtcccca aagatgtcag ccactgagtg tccagttccc cngctgggg 120
agaggagngg gggngccgga gaggaggga ccntggagg aaactgngan gggtcctcat 180
ggttgcattt cgcacccttc cctantgtcc attngtctgt ctgtctgctg tccntgtgtt 240
tgtagctttc aggttttttt tcctttccct tttttgttg gagttttgag acntttttgt 300
accnggggga ttttatattat ca 322
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<210> 1134

- REPLACEMENT COPY -

<211> 181
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 50
 <223> n = A,T,C or G

<400> 1134
 caggaagaat tgcagagaca ttcagaagga ctgcaaaagg cgcacgaagn ggctcagcgg 60
 ataaagggtgc ttcggtacca gccggagaag caacttccca gagttatcct ctgagcttca 120
 cacataacat ctctcccctg cacaccatac aatactaata aatattttta aaaagaaaaa 180
 a 181

<210> 1135
 <211> 277
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16
 <223> n = A,T,C or G

<400> 1135
 tccaccagaa ataccnccag acccagggtg ccctcagaag gaaccaggct ggctgatggc 60
 atggcagacc tgaaggtatt gctttaaaag gagggaatca ggcctgaggc atcaggcctg 120
 aaggggctagg caggggctct gcccaggagg gccctagcca ggcctcagag cctcactgga 180
 gggtagtcat gggctaaggc cccaggctga ctgcatttcc actcccttcg gagacttata 240
 gctatcaaata aaatatagaa aagagccctc ccccgcc 277

<210> 1136
 <211> 275
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 37, 66, 79, 82, 85, 109, 118, 122, 124, 145, 151, 155, 159,
 169, 175, 178, 185, 202, 208, 214, 217, 218, 220
 <223> n = A,T,C or G

<400> 1136
 tccctgactt tgttttctact gagaaggagg gcatgtntga tggcagctgg gccctggctg 60
 atgtcntgag ccagctcang angangcggg cagccactac actagatgng aagattgnga 120
 angnccggaa gagaaggatg gctgnggact nggangccna gtctgggang gtggnggnga 180
 atganggcca ggcagactct gncctgangg ggcnggnan tccgggtgag gatgaggcag 240
 gctccaagga tgaagactct gagactgact actcc 275

<210> 1137
 <211> 128
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 21, 43, 44, 77, 78, 87, 88, 96, 109
 <223> n = A,T,C or G

<400> 1137

- REPLACEMENT COPY -

ttgaaacccc tgagtggntt ngggctgagt aaaacctggg cannggccat aattacttat 60
tgtggaaatc tcaaaanncg acaccannaa agcatngcta gggttcctnt ttttataaat 120
cttaacct 128

<210> 1138
<211> 142
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 42, 44, 68, 70, 75, 98
<223> n = A,T,C or G

<400> 1138
tggagtgtgt ctgtctnaag tgtattaatg acgcctgcc a nangtggtg ggaaagtccg 60
tgaaactncn atcancaggc taggtagtga tggctcantg gttaataacc accgactgct 120
cttgataagg tcctgacttc aa 142

<210> 1139
<211> 231
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 48, 52, 65, 78, 81, 106, 125, 138, 147, 158, 160, 171,
198
<223> n = A,T,C or G

<400> 1139
gttaatgaca caggcacagt tggaagaggc tcttnactgg cagttgangc cncttaaggc 60
cattnaagat gccccccntt ntggaagaac gaaagcccat aaatgncgtt ttatctgggg 120
ataanatctt ggaagggnac agaaacnaac caatatgn gn ttactggtat nttcattata 180
acataccccc tcgggggncg ggtttttggt ggttggaaga aaccaaccgg g 231

<210> 1140
<211> 265
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 51, 53, 60, 69, 71, 73, 78, 127, 128, 132, 138, 150, 162,
176, 177, 178, 188, 228
<223> n = A,T,C or G

<400> 1140
gccccatgtc ctttgatttt gggttgtttt gttgtgttga gacaagggtt ntntgtgtan 60
cacgttgtna ntntgtanac caggctggcc tcaaactcat atttgccttc ctctgtttcc 120
cagtgtnnng antaaagnca tgggccaccn ctgggacaaa tntgaacatg gaaatnnnga 180
tagtagcnng gtataacaca ctgcctaaaa cagggaccca taaatgcnat gacctaata 240
aattaattaa ttcaaacaaa aaaaa 265

<210> 1141
<211> 175
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 39, 46, 58, 78, 118, 119, 122, 128, 156
 <223> n = A,T,C or G

<400> 1141
 aggtaaaacc ctgggcaaag gccataaatt acttcttgng gaactntcaa aggtcgtnc 60
 ggaaccataa aaaagacnca actttttgca gattaaggcc agcctggcct actttganna 120
 ancctcantc tgggaaagtg aaatactttg tcaatnaaca tgcaccttgg gttca 175

<210> 1142
 <211> 107
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 83, 85
 <223> n = A,T,C or G

<400> 1142
 actgagggag acatccaggt accaacctgc cagaggagag agtgcactta ccgaataaaa 60
 ctcaagtga ccccgagaaa aantntcaaa ggtggggggg ggggggt 107

<210> 1143
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 38, 39, 40, 47, 50, 55, 72
 <223> n = A,T,C or G

<400> 1143
 tttcatcctt tcgcctnttt tgttctactg agtgggtnnn ccctgangtn taccngggca 60
 gagccataat tncctctcgt ggaactctca aaggtcggac agg 103

<210> 1144
 <211> 267
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 24, 68, 69, 75, 88, 89, 123, 126, 139, 144, 147, 151,
 155, 163, 164, 165, 183, 186, 212, 236
 <223> n = A,T,C or G

<400> 1144
 gatccctcgg agctgaanag gatnagtcgg ttataagcct cctgacgtgg atagctggca 60
 cggaacnng ggcntctgg aaagaacnnc aagttgttct tagctgctgg gagtgtctct 120
 gcngcnccca aggaggganc ctgngcngat ngganaagca gtnnngagga ttctacagtc 180
 aantcnttgg atgaagtgtg tgcccatgca gngccccagt cctagcctgt atgtcnccag 240
 gctcttcatt ccttcctggg cccccaa 267

<210> 1145
 <211> 357
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

- REPLACEMENT COPY -

<222> 52, 113, 126, 131, 149, 167, 170, 318
 <223> n = A,T,C or G

<400> 1145
 taactgaggg gatcttacag aaggctgaga cactgtacac catgggagac tntgagtttg 60
 ccctggtagt tctatcatcg aggctacaaa ctgagacctg atcggaatt canagtagga 120
 attcanaagg nccaggaagc catcagcanc tcgggtgggaa gtccttnttn aatcaagctg 180
 gagaacaaag gcgacctctc cttcttaagc aagcaagctg agagtaagaa agcccaacag 240
 aagcatctgc ctataaagca actctcgtac agcaccaagc atgaaatcaa gcggaagggc 300
 tcgctcaaga gcgagaanac cgtgcggcag ctgctcgggg agctgtacgt ggacaag 357

<210> 1146
 <211> 155
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 26, 41, 100, 126, 139
 <223> n = A,T,C or G

<400> 1146
 aactctcaaa ggcccgncgg gaagcngctg tgacacaaaa naaagccagc ctggcctacg 60
 ttgacaaacc tcatttttggg aaagtgaat actttgtcan ttaacatgca cgttgggtca 120
 ataaanactt ttggaaagng tcaaaaaaat taaaa 155

<210> 1147
 <211> 107
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 63, 68
 <223> n = A,T,C or G

<400> 1147
 gcctggccta cattgagaaa cctcattttg ggaaagtga atactttgtc aattaacatg 60
 canttggntc aataaagact tttggaaagt gtccaaccaa aaaaaa 107

<210> 1148
 <211> 274
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 40, 45, 75, 86, 115, 140, 145, 147, 163, 165, 168, 170, 171,
 177, 193, 204, 217, 223, 233, 238, 246, 257
 <223> n = A,T,C or G

<400> 1148
 atgttttcta taccaacact actgaactgg actgctggn tattnatgaa ggggttgctg 60
 ctcttgactt ctatnaactg aactgntgat ttcctgacaa tacagaacgg gattntgctt 120
 caaagaaaaa tttctaaacn ggatncnttt gaccatttaa ggnctgncn ngacacnatt 180
 cccagccctg agngggggat ttgntcggac cttttcnaag aanaactctt gtnacaanaa 240
 gatgtngatt cttgganacc tggccaaaga aacc 274

<210> 1149
 <211> 167
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 32, 40, 42, 43, 47, 54, 67, 69, 77, 83, 101, 103

<223> n = A,T,C or G

<400> 1149

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cgttttccttt attcctcctc ctcttntcag gntttcttcn gnnttcncct ctangccacc 60
cccccgntnc acaccantga agnggctttg ggctgaagta nancctgggc agcaggccat 120
aattacttct tgtggaactc tcaaagggtc ggacaggaaa aaaaaaa 167
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<210> 1150

<211> 454

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 41, 45, 49, 63, 77, 79, 82, 89, 90, 92, 100, 101, 106, 116,
120, 122, 124, 128, 136, 149, 155, 162, 164, 166, 171, 178,
179, 188, 203, 206, 219, 224, 238, 240, 254, 256, 322, 338,
355, 374, 378, 381, 411, 422, 437

<223> n = A,T,C or G

<400> 1150

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actgaggcca aggaggtaac ttgtatgctt ctgctccata nagtngaana ttgggttgga 60
ctnactcagc attttanenc tncattggnn gntttgttan ngggtnccca gaccncatn 120
cncngttntc aagaanggtt cagtgaagna tgggnaggcc tnantnacga ngtggcgnnt 180
accctacnct ttttgattac tcngtnagga agcatggcnc tacnttgcaa aacacatngn 240
ttgtatttaa cacntntgtc tccccatttt cccctgccct tttacatttg ggctttgtta 300
taggggttggc cgcccggccag gncagaccag accaggcngg ccagttcctt tggcnaacga 360
aagggcatcg aaanactnaa nccatgatcc cacttttttc ccccttgggc nggggggcct 420
tnccaacggg ggggctnaac caaaataggg ccct 454
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<210> 1151

<211> 162

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 19, 132

<223> n = A,T,C or G

<400> 1151

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acactgaggt tctaantgna aaatctgaca tcaatggcac catttgga aaactagtgac 60
actgtacttt attttgttat caagaataaa gagtgattgg agctcttggg cagagagaga 120
ggaccctgct cngcccaggg catcggttaac tttccaacac tg 162
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<210> 1152

<211> 340

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 29, 34, 35, 50, 65, 76, 83, 118, 125, 144, 149, 150, 160,
177, 188, 191, 192, 234, 242, 247, 249, 259, 269, 281, 290,
309, 310, 324

<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 1152
tgagtagcaa cccgcgccat ggagcaggnc tggnnngtggg ccccagcgcn ccccgcccgg 60
gcccntgccc cactgncggg ccnggcggcg gaaccgaggt gatccaggtg accaacnggt 120
ctccnagcgc caacttcaaa gcanatgcnn acgcttttcn gcttccttgg caagatngac 180
aaactgtnc nnttcccggc ggtatgacta acctttggca ggctcctttc gggngtgctt 240
tnttaanant ccatgaatnc atacttaana ggggtggggc ncaagcattn tttgaccaa 300
ccaacgtggn ggtttccgat gggncagaaa actttttgga 340

<210> 1153
<211> 112
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 36, 37, 52, 80
<223> n = A,T,C or G

<400> 1153
gaggccataa ttacttcttg aggaactctc aaaggnnccg tacaggaatc cntgaggaac 60
acaaaaaatg aggcccccg gn gaataacctc cacaaccctt gtcggccctt ca 112

<210> 1154
<211> 212
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 28, 33, 48, 81
<223> n = A,T,C or G

<400> 1154
caggggtgtg agtgagatac gagctgnncc tgntgacctg tgaactgngc tgccgatttc 60
cagacaacat agacaggaat ngctccaaag aacctttcta aacagggtcca ttcaccctct 120
ctcttccata tcctttcttt cccactacct ttgggtgggtg ctgggctaca aggaagggtta 180
aagcatttaa gaaccactat taaaaataat tt 212

<210> 1155
<211> 193
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 44, 62, 65, 82, 97
<223> n = A,T,C or G

<400> 1155
tggctcatgc ctgggtgtcta gcctgccgag aggacgggtc tgcngcctgc tgggtcatat 60
tngnggattg ctacagggtc gnactgctgc ccaagangat caagcttgcc cccaaagaac 120
tactgatgaa cagctccact tccctcataa cctaaaatct tttctttcct actcactctg 180
ctgagtgggtg ggc 193

<210> 1156
<211> 189
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 19, 49, 101, 111, 133, 134, 155
<223> n = A,T,C or G

<400> 1156
gccccgacctt ttacttttanc taccaaataa taggatcagg tggaaagcnc tgccctgggtt 60
tctgtccctg tgggggtttgc ttctgatggg ctgtggcctg ngcctggcca ntaccaagtg 120
cctacaggcc agnngcttac actggcaaca caagntgctt cccagtgga tctgggagag 180
ggttccttg 189

<210> 1157
<211> 205
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 22, 33, 41, 45, 61, 93, 104, 126, 128, 130, 146, 149,
153
<223> n = A,T,C or G

<400> 1157
atgagcgcta ctttgancaa cncaaggagg ctnccttctt naaanaaact ggttcgggtcc 60
nttattacca acgttcggaa gaacctaacc ttncacacac tcanccagga atccctcctg 120
aaggantncn tccaaccatt cttcngang ctncactgcc ttgacagcca catgactgcc 180
tttaccatcct ggaggctcct gggct 205

<210> 1158
<211> 177
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 63, 77, 82, 83, 94, 97, 99, 120, 152, 155, 160
<223> n = A,T,C or G

<400> 1158
acagctcttc tttagaggaa ncaggaggaa tatgtgggtgg aaaagggttgt tggacaggcc 60
gcntgggtatt aggggcnaaa gnngggaata tctngtnca acgtggaata ggctttttgn 120
ttgaggggagc accaattaac tatggtgaaa cnctnaggan aggaaacttt ggaattg 177

<210> 1159
<211> 335
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 49, 50, 53, 93, 97, 102, 108, 111, 119, 120, 129, 141,
147, 158, 163, 171, 210, 218, 256, 275, 307
<223> n = A,T,C or G

<400> 1159
cactgagggtg cgggaggaac taagaagctc aactgangct cgcttccggn agntgctggg 60
cacggacccc cacgcacgtg gacggtcacc agnacngca tntgcttnca ngcgtgtggn 120
aagtgttcnc cgaggcgctg naggcgnacg gggtcgntt canacggctg ncggcagAAC 180
gtggcggtggg cagctgcgcg tggctcgaan caccaaangc gcgccttcgc ctgcacgggtg 240
gagcgcgatg cccggnccgc aattggcccc ttctntcgcc acggcctgcg gtgaacataa 300
gccttttncaa ctacatacaa ccctgccacg tcta 335

<210> 1160

- REPLACEMENT COPY -

<211> 304
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 45, 57, 59, 77, 109, 146, 155, 201, 207, 221, 239, 240,
243, 245, 264, 280, 288
<223> n = A,T,C or G

<400> 1160
gcagggtttat ggggggcnca aaggacatga ttatgtgtat gaccnttcca taagagngng 60
atttacactg gctggtntga tggcagcatc caggctgtga ggctcaatnt gatgccc aaa 120
ttaccgctgt tgggggggatg gctggncctc tgatntttgg gcgttggggg atcactttga 180
aaacaaacca cttgcttgac nggaccnccc caatccccaa nttttcaaaa acctttaann 240
ggncnaatgg ggggaactgg ggangccctt tttttttacn gcccggnaa gggattccaa 300
cccc 304

<210> 1161
<211> 190
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 44, 59, 91, 98, 113, 135, 153, 162
<223> n = A,T,C or G

<400> 1161
caccagcaaa gaacacactg ngctctgggg agaagggcag attncgcttc gtctgccgng 60
gttccaggac actcttcaaa agcgctgtt nacacgcnc a ctctgaatac acnaagactc 120
ttcctgccac cactntggaa gcgggctccc tanaagtcta tnaaatatga atggacccat 180
gaccataaaa 190

<210> 1162
<211> 488
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28, 35, 40, 60, 77, 108, 117, 125, 137, 163, 208, 245, 248,
339, 386, 388, 405, 422, 431, 438, 444
<223> n = A,T,C or G

<400> 1162
ttaacaaaat ggactaatcg atcccgtnga taganctggn cagatcttaa gccaatctn 60
gtacccttgt caccncncac atgggacatt aagagaagca tggggccngc atcattnaac 120
gcgcnaagc caactgncag cacacaaact actgaggatg canggctgct tgacctccac 180
tagatggggc ctctgtgcct tcactccntg aggcttgggg acagagaatc ccccttccc 240
ttctntgnag cacctcccct acacacctgc ctacatcatg gaactgcctt aggccgacat 300
cattctatgc ttacgccaca aacagacccc caagactgna ggaagaaacc aaacctttga 360
tgattgaacc actcccctgt gtaggngnca ttggtgacat aatantacac gccttggggc 420
gngcctctgg ncatcaancc actnccctac aaaaggacaa cacacactca tttaaaaagt 480
gaggtgga 488

<210> 1163
<211> 179
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 36, 37, 38, 54, 55, 65, 94, 109, 134, 137, 138, 147, 155
<223> n = A,T,C or G

<400> 1163
aaactggctg tgggggaaact ctatgacatc gatgtnnnca aagtcaatac cctnntagac 60
gcccnacgga cagaagaacg cggtatgttc gctnggctcc ctttatgang ccctaaatgt 120
tgccaacaaa catnggnntc atctaancat gattncagat ggctaaactc taaacttat 179

<210> 1164
<211> 216
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 77, 110
<223> n = A,T,C or G

<400> 1164
gactgagaga ctctaaaaca acagacagca ggccgggtgga agctctgact gcagaggggtg 60
catgctcctt ctgaggnttg ggagctgctc atctatctga ctttggcggn gattacacgg 120
gtatgtacac ttgtcaaact tattactgta catgcaaagg aagtttagtt cattacatgg 180
caaattatac ctcaataaag ttgactttat cccatt 216

<210> 1165
<211> 337
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 31, 47, 74, 94, 102, 116, 125, 137, 141, 146, 171, 190,
194, 207, 222, 225, 239, 247, 298, 310
<223> n = A,T,C or G

<400> 1165
caggaggtcc tgcttggnac acctgctgcc nagagatgat ctattgngaa gtacttgatt 60
tgctcaaatag aagntatcct cattatgggc caangccttt gncatcaatg tggccnttgc 120
tttgnatgct gatacantgt ngaccntatc tggattctaa tgacaagtgt nccaaacagt 180
atcatcctgn atgnacaact atcgkanaaa cttattgcca tnaangtact ttctgcaang 240
cactganact tggtagaatg ccttcctctc tattatggaa caaaatcact ttcacccngg 300
ccttggtggn ccccttttac tatggaacta cttttgc 337

<210> 1166
<211> 152
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 31, 37, 39, 43, 49, 85
<223> n = A,T,C or G

<400> 1166
ctgcaaaggt ctgggtaaag gncctgtctt ngaagtnrna gtnagatcna caccctgggtg 60
gtcacaactc ctaatgaaat ctgtnccttt ggagtgtgta agacagctca gtgtcttaca 120
tataataaat aataaatctt taaaaaaaaa aa 152

<210> 1167

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- REPLACEMENT COPY -

<211> 117
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 21, 32, 46
<223> n = A,T,C or G

<400> 1167
gacaaataaa aacaagcnag ncagattaag gncagcctgg cctacnttag agaaacctca 60
ttttgggaaa gtgaaatact ttgtcaatta acatgcagtt ggttcaataa agacttt 117

<210> 1168
<211> 200
<212> DNA
<213> Mus musculus

<400> 1168
actgagggac cagaggtgaa gatgacttca gttatgcaga tctacttcac gaatagggat 60
cttcttgatg ttcccaaact ccccttgggc ctgaaaaggc ctaggtttct cttttcccaa 120
gttaaggatg gcggcctcgg gccttacctc ctgttacctt gttaccttta aaataaagg 180
gcccaggaaa gagaaaaaaa 200

<210> 1169
<211> 102
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 23, 41, 43, 52, 55, 56, 69, 73
<223> n = A,T,C or G

<400> 1169
cccgtttaa accccactna agncggtttg gtctggggta nancctgggc ancannccat 60
aattacttnt tgnnggaactc tcaaaggctg gacaggcaat ta 102

<210> 1170
<211> 125
<212> DNA
<213> Mus musculus

<400> 1170
aggacccaca caacagaaaa gaaccaactc ctgaaagttg tcctctgact tctactcata 60
tactgtgacc tgcattgggca cgcatgtctg tataccgtgt acacacacat aaaaaataaa 120
taaaa 125

<210> 1171
<211> 112
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 31, 42, 76, 91
<223> n = A,T,C or G

<400> 1171
gggtttttta ggggggggacc actnattaaa nttctctgag gnagatcctg ggcacaaggc 60
cataattact tcttgnggaa ctctcaaagg nccggacagg aaccatgggt gg 112

- REPLACEMENT COPY -

<210> 1172

<211> 217

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 29, 36, 63, 64, 73, 78, 110, 112, 116, 144, 147, 165, 167,
174, 177, 185, 189, 191, 195

<223> n = A,T,C or G

<400> 1172

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tttgacagat cccaaccgtg cccgcttcnc tctgcnagag ctgagggagg cgctgctgga 60
acnnaacaaa gcncaagncg caactgctgc tgggtgcaaag aggaactgcn gngctncaaa 120
gaagtggctc acttccaccc actnganact ccagggaggg aagananaat aganggnatg 180
cctgntggnt ncctntgggc caacgagcga gaaaggg 217
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<210> 1173

<211> 111

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 47, 62, 66, 77, 82, 91

<223> n = A,T,C or G

<400> 1173

```
ccccgaagcc aacagacatg gtgcgaaaag gcaaagaccc ccattantac agacctactg 60
gnctgnctgc aaatacngag angtcctcct nttatttcaa aaagctctgc t 111
```

<210> 1174

<211> 202

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 28, 33, 49, 52, 58, 68, 70, 82, 108, 123, 124, 125, 138,
145, 148, 159, 160, 170, 176

<223> n = A,T,C or G

<400> 1174

```
atcgggcat atagttanga cttccganga cangtagatg ctggggcgnc gncctcctc 60
gcaatgcntn ctcagccatt gncgtgggga atggttttgt ggtgctcnca ggccggccat 120
gtnnncatcg tcgagatntc tactnacnaa tactggcggn catggccttn ccaagngtcc 180
atctggttgg cattgacgtt tt 202
```

<210> 1175

<211> 187

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 56

<223> n = A,T,C or G

<400> 1175

```
aactgagtga gctgcctca agctcttttg ctgcagaaat gcacggaaaa tatgangagg 60
atcctgaaag aattctctgg cagagagcac atcttgtttt cgccggcat ttgttcgtcg 120
```

- REPLACEMENT COPY -

tcgtcgtcgt cactacctac attccccgc cgtgttcaca tatgaaaaca attatttctc 180
agttcag 187

<210> 1176
<211> 403
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 211, 214, 215
<223> n = A,T,C or G

<400> 1176
atgatcagca agctttgaat tcaatcatgc aagatttggc tgtccttcat aaggccagtc 60
ggccagcatt atctttacaa gaaaccagga aagcaaaaacc ttcataccca aaaaaacaga 120
atgatgttcg agtcaaattt gaacatagag gagaaaaaag gatcctgcag gttactagac 180
cagttaaact agaagacctg agatctaagt ncannatcgc ctttgggcag tctatggatc 240
tacactatac caacaatgag ttggtaattc cgttaactac ccaagatgac ttggacaaag 300
ctgtggaact gctggatcgc agtattcaca tgaagaggct tcagatatta cttgtagtaa 360
atgggagtac acaggctact aatttagaac catcaccgtc acc 403

<210> 1177
<211> 405
<212> DNA
<213> Mus musculus

<400> 1177
actgagggga cctggctgac acctggactt ctcactcgtt acctcctcag ccagagggcc 60
caagctcaac aagccttggg ctctaaagac tcccactctt ggagagagac tgagctgtac 120
tgaagcccac agctcctctc tctgggatga agttactaaa ctccgatccc agcttcaggc 180
tcaggctcag gtgactgagg cgctgaagca ttctgtacag agcctgttga aggatcgga 240
gcaacatatg ttcaagatca gtgctctaga agcatcacta aaactgctgc aggagggccc 300
caaagggaga gcccttcttg agcaatgcct ggaagggctg aaaaaggaac tgcagggcct 360
tcggagtcag ggtcaagaac tagtcccaaa cccaatggaa ggcag 405

<210> 1178
<211> 590
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 230, 390, 479, 503, 563, 573
<223> n = A,T,C or G

<400> 1178
gtttcagcaa ggtggtacca nccccggagg ctaagcccgc tccttctctg aacagaccca 60
aaaccccacc tccagcccca gtccctattc ctgtgcgagt gagccctact cccctgcagc 120
caccactcct caccaggct gcagtgtgcc cagccctgat gccatcccca gctcccggcc 180
tctctggaat agggagtgcc aaagcccccg tgaggagcgt cgtgactgan acggtcagca 240
cttatgtgat ccgtgatgag tggggcaatc agatctggat ctgtccaggg tgcaacaagc 300
ctgatgacgg gagcccgatg attggctgtg acgactgtga cgattgggtac cactggccct 360
gtgtgggaat catggctgct cctccagaan agatgcagtg gttctgcccg aagtgtgcca 420
acaagataaa gaaagacaag aagcacaaga agaggaagca ccgtgcgac tgacatcanc 480
gtgggcagga ctgctgccct gcncggggtc ggggctgggc tggttctgcc atcctgtctc 540
ccccgggccc tgtggacttg cancgcatc canaggaaca aggacaatat 590

<210> 1179
<211> 412
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 1179

```

ttaccaatct gaatggccac accgctcgag tcaactgcct gcagtggata cagtacagag 60
gatggctccc cttccaatga gctggtgtct ggaggatctg acaatcgggt gattcattgg 120
gaactagaga ataatcaggt tttaaaatca gtccgtctcc aaggccatga aggacctgtt 180
tgtgctgtgc acgctattta ccagagtggg ccatccgaag gggagcagca tgcgctgata 240
gcttctgcag cttcagattc tactgtgcga atctggtcta aaaaggggtc tgaagtcaaa 300
taccttcaga ccttgagctt caaggatgga ttcgttcttt tctgtctgct gctatttgcc 360
tggtactaat ggtaagtgtc ctgctattta ttaaagaac gcataaagtt ag 412

```

<210> 1180

<211> 164

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 21, 22, 24, 26, 28, 30, 47, 48, 50, 51, 70, 80, 92, 100, 110

<223> n = A,T,C or G

<400> 1180

```

agcctgggca cgaggccatn nntnctntn ggggaactat caaaggnncn ncaggaagca 60
tggctgagtn catatatgan ctgaaacaaa gnatggccgn gctggagatn catcgtgtgc 120
tccggcagac aggccagcct gaggacgacc aggcgtccac aaaa 164

```

<210> 1181

<211> 418

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 130, 136, 145, 169, 355, 359, 364, 369, 370, 397

<223> n = A,T,C or G

<400> 1181

```

cacctggcct ccctgaaggg gtgtctactg gaatggctac tatgcagttc ttacatagtg 60
gtgacttacc actggccacc ctgacctctc ctctgtgctt ctgggggttcc ctttcattgg 120
ggtgaggaan caaggncaag gtcanagtgc ctcttgaagg ttctccana tatgggaact 180
ggggcctctt ccctggaaat gagggcaggg acccagttcc atcctgggggt gtgtccccag 240
atacagcctg ggttaaaggg cagggattca tgggtgctgac ccaggctctc tgagaaggcc 300
ctgtcattcc tgtttgtgat gttctgagga tgcccatctg taggttttta ttttnaaanc 360
aagnctccnn ccaccggcca ttttgcccac tgctttntat tttgggttta tcctaaca 418

```

<210> 1182

<211> 390

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 242, 244, 246, 247, 250, 253, 254, 255, 256, 257, 261

<223> n = A,T,C or G

<400> 1182

```

gtgtgcttgt caatgtccca gacatgaacc agcccaggcc ccgctacgtg gtagacaaga 60
gctgcgtact ccctctccct cttcgatgat gagtttgaga agaaggaccg tgcctaccg 120
gtgggagaga agcttcgcaa cactttcagg tgctcctcag ccaagttcaa agcctttgtg 180
tttgggctgt tgcctgtgct ctctgggctc cctaaataca agatcaaaga ctacatcata 240

```

- REPLACEMENT COPY -

cncnannagn tgnnnnnact nagtgggggg tgtatccagg tgccacaagg catggcattt 300
gcattgctgg ccaaccttcc tgctgtcaac ggtctctact cctccttctt cccctcctg 360
acctatttct tcttacgggg tatggcagct 390

<210> 1183
<211> 435
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 65, 229, 235, 243, 245, 250, 255, 297, 302, 328, 340
<223> n = A,T,C or G

<400> 1183
actgagagtg aggatccatg acctccgcag cgataagatc gccctgtcgc tgtctgcccc 60
tcaanctggg ggtgtccgca gtccagatgg atgactggaa gggtgtcagt ggaggcaagg 120
aggggctggg gtctgtgtgg gattaccgca tgaaccagaa gctgtgggaa gtgcactcca 180
ggcaccctgt gcgctatctc tccttcaata gacacagcct catcactgnc aacnggccct 240
acnanaaggn gctgngaaac tccgacctcc acaactttgc ctgtcacagg agacatngtg 300
gnctgatcca tgcctatgaa tttgctgngg accagctggg ctttcagagc ccccttcctg 360
tctgccgctt accccgtgac atcatggctg gatacaagct atgacctcgc actgtctttt 420
ccccatgaaa agata 435

<210> 1184
<211> 304
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 51, 54, 174, 187, 189, 198, 204, 259
<223> n = A,T,C or G

<400> 1184
gaggtctggg gagtttcaaa ggacatgctc tccctgggag tttcttcttc nccntgggct 60
tttggggggac tatgaagaac atcctgaaat ctgtctacaa aaggcaaact cgaacctgct 120
accttaactc taaaacatta ttaccgtcgg acagagattt gggaaggagt tgtngtgctt 180
ttaatgncnc tcaactggnat agcnggtgaa cagtttatct caggaggacc tgccttgatc 240
ttgcataaag atggccagng gaaccagatc ctgggctggc atcacacaac catgtactta 300
ttgg 304

<210> 1185
<211> 135
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 29, 31, 43, 50, 55, 61, 65, 81, 86, 100
<223> n = A,T,C or G

<400> 1185
tcaacaagat gcacangctg atgtctaant nattgctgtc ttnatcatan caacntgggc 60
nacantagtt acttaggacc ncaggntggt tataaattan cttacaataa acaacttaca 120
atgagaaaaa caaaa 135

<210> 1186
<211> 640
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 36, 48, 315, 413, 551
 <223> n = A,T,C or G

<400> 1186
 aggetccctt atggaactta agacagtcca ggcagngcac gtccctgnga ggctcgtccat 60
 gtcccgagaa gagcagccga ttcctggatt gcgagagtc tgtgcacgta tttatgagcc 120
 tgtccccacc gaaagcagta atccttcagg ccaagccatc caattttaaa ccccgctgcc 180
 ttgttcatgt tgggtatata gagactcaga ggcgctagtt aatggccagc ctgacctgtc 240
 ttccttgtgt ttcgggggggt gaaaggaggt tccaggagaa taatgccctg gaatatctctg 300
 aggetgaaat gttgngtctc ggatagacag agtacttctc cgtgggtcct cctgcacaga 360
 agcccccttc tgctctgttg tcaatcactg ggtagtattt ttgttatgtc tgnttctgtt 420
 gttctcttct ttctgggttg atcttaatct ttggaaatac acagtgtctg tcaggtttgc 480
 ctggttcccc tgtgtgacct tccccccac acacacacaa agttaaccag ctgactggga 540
 gcaatgctcg nggaatgggc cagtcacttg aaagacagac cttcaagcca gcaatgggca 600
 actggagcga gcacttaaag cgcacctttg atcttccctt 640

<210> 1187
 <211> 469
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 30, 60, 443
 <223> n = A,T,C or G

<400> 1187
 aactctgtta tggatccaac aacnacaccn ttctaattggt taccgcagca cacagcccan 60
 caaccacagg gtggtggaag ccaatttcct gaacgtcccg gatatgtact ctctgtacca 120
 cctttaccta aaaaacatgc agaaggagat tctacaacct aagaaacaga agaaaacaaa 180
 gaagaaccgg cacttttgga gccggaaatg acacactggc cccagggctc accctgcccc 240
 ttgtctaagg aatcctggaa tgtgggtctc cttgctgcct tcagcgagtc tctgattaac 300
 ccagagggag ttctcctccg agagaagaag tggagctacg ttagccagaa gagaaaggga 360
 tgtgggtgag agggaaaaga cttcgacgga cgtgcaaaga aatcaagcct ttcataattc 420
 cctgtcaatc attcacctaa agntgggggtc cacagatgca gctcatggg 469

<210> 1188
 <211> 418
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 165, 168, 173, 194, 213, 238, 252, 257, 321, 337, 365,
 394
 <223> n = A,T,C or G

<400> 1188
 ctggacagac gcctgcccc acaaagaant tgaaaagtag aaatcctatg acatgccatc 60
 tctgcttttg taccagaag agagcttgag cctctccatg gcttccaacg ctctggagag 120
 tccagggtca ttctgagagc actccttgga gttcttctgc ctggngancc ttnttggtgt 180
 aaagaactca cagnacgtta tccaatccct gtngcccatc aaaaaccgtc tgtgcctnat 240
 ctttctttga cnctgantga agaaccagga tctgatgact tctttccgta gtttgaagag 300
 aacaactttt gagagttggt nctctcctat tctgtgngac ccagggatga cactccaacc 360
 atcangcttg atagccgggc accaaggtaa cttnttgagc caccctgggt ggggcctt 418

<210> 1189
 <211> 447
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 374, 386, 397

<223> n = A,T,C or G

<400> 1189

```
gactaacctg ttgctcaatg ctagatacac tatactgagg aatctttgag aagccaggaa 60
gaaaaataat agaatgagaa gacctgaaga ctaaactgcc ttttcattcg ggcgttggct 120
gctagctaat tgcactaaac cacactggag agcatatata cattcatata atgttcgagt 180
tttgattgtt cttgttaaat tactttgtta ggattaaatg tcaggattct gttcatacta 240
ggcaatttga agaaaaagtg ttttagcactg tttgcataaa agaacaagga gatgagcaag 300
atgaaagctg gtttcaatgg gggtatttta agaaaccagc tatttttcaga aatacatggg 360
gtttttttca atgntataga agctgngtaa tttaccntaa tccttaacc tcttggaccc 420
catacaagtg ataagaaggt tttatgc 447
```

<210> 1190

<211> 181

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 88, 116, 130, 159

<223> n = A,T,C or G

<400> 1190

```
cccaacaggc tgggccacag ccaactgcac tacttgagca tgggtgggct ccagatctcc 60
tccttcaaac tggagtgagc ggcacctnag aagaccttac cccagaacc agcttnagcc 120
agcccttcan caagccccca acagaaccgg agcctttang gtctggggat ttttcccaag 180
g 181
```

<210> 1191

<211> 398

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 25, 47, 54, 68, 125, 126, 142, 155, 157, 171, 174, 188, 202, 213, 226, 228, 238, 242, 253, 260, 272, 277, 287, 296, 315, 337, 369

<223> n = A,T,C or G

<400> 1191

```
gatacaaggt gacacnaata tgacngacaa agtatattgtg acctgcnata ccancgtcat 60
gcatctanat ggaacgggtg aaggatgggt tgcaaagaat aaaacactca acttgggcaa 120
aggcnntctg gacccacgag gnatatatca agtgnantgg gacatagcac ntgncaaaag 180
agatgtcnac tgtgcaagtc cnttaccgaa tgngccagaa ctgtgngnag ctagactngg 240
gnaccatggc tgntgtaatn ttcattgacc tnatcgnaac tctgctnctg gctttngggc 300
actactgctt tgcangacat gagaccggaa ggccttnttg ggcttggtta gggttaaagcc 360
ctgctgaana ttgagcagct gtatcagcct cttcgaga 398
```

<210> 1192

<211> 364

<212> DNA

<213> Mus musculus

<400> 1192

```
gcaaaggaga ccaacaacaa gcaaaaagag tttgaagaga ctgcaaagac taccggtcag 60
```

- REPLACEMENT COPY -

```
tcaattgagc agctggctgc ctaatgctga gcctttgctg agataacttg gacctgagtg 120
acatgccaca tctaagccac gcatcccagc ttttccagcc agggcctcct agcaggatct 180
tagagaagga gacagtggta ttttgaaact ggatatcaaa tatttttggt ttgctttaa 240
agtggctacc tctctttggt tttgtggctt tgctctattg tgacgtggac ttaagcaata 300
aggaagtgat gaagggacag tgttctctga caggacctgt gggggtcggg gtgcctgtgc 360
aagg                                             364
```

```
<210> 1193
<211> 113
<212> DNA
<213> Mus musculus
```

```
<400> 1193
cagactgagg tggggctctt cagagagact tgatagcaca caccatggag gagctgtcgg 60
ggctggagaa gaatgtgaga gcaccaaaga atcccacagt atcaaaaaaa aaa      113
```

```
<210> 1194
<211> 346
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 51, 52, 183
<223> n = A,T,C or G
```

```
<400> 1194
cagaactgac gatcaaaaga tttgctgaac agtggactcc gagatcggta nnacgaagct 60
cttcctgccc ttcctgacca ggctgtcagg taattcctgt gctcccctca ctggtcgaag 120
tgattttcct tctcacttag tctgcccaga ggctctgctt tctctgctca gtgtgcatct 180
tanggtgggtg gttggcaagt gagcctggct gaggggaacac ataggggggtc ctgtctgtag 240
tacacagaca aacacaatca aaagtggggc aggaggggaag gcagccctgc tacctttctg 300
gggaatatatt tgaaagggtt tggttaatat tggaatctgc ctgcag      346
```

```
<210> 1195
<211> 126
<212> DNA
<213> Mus musculus
```

```
<400> 1195
gactgagctc ccagcatccc aggaaaccta gaaccatgat gatagacca actgcaatca 60
agatattcac agcaatgaag gggttcgtgc tagagtctcc tgacgtgatg atctagaaaa 120
aaaaaa                                           126
```

```
<210> 1196
<211> 275
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 32, 63, 178
<223> n = A,T,C or G
```

```
<400> 1196
acagcctcat gtccgactgc tgggtgcttca tnttctgcaa ggaacacgtt agaagcaatc 60
ctntgtcacc acagcatgat ggggcctcaa gggaggaggc tgatcaccag gtggacgtgt 120
ctgatggcat caggctgggt ccagacaaag cagaggccac ggctgctaca gcctcagntc 180
tcgggtccca ccagcaaagc ttctgtgtgc agcgcgcacg gcagttaccg cagaacctca 240
tgagtggaga gctcagcccg cagctgagac atctg      275
```

- REPLACEMENT COPY -

<210> 1197
 <211> 401
 <212> DNA
 <213> Mus musculus

<400> 1197
 gaactgagag cctcaccaga aacttctgcg tcagctctca ggtgcatcct gggctaattg 60
 caactcgtgc tccattccca actcatgggg acaactcagg cagtgcctggc tggggcctca 120
 tgtggggcct tcttcagaca ggaccctcca cccagtgca gcccaagcag caagaccaca 180
 ttaacccttc tcaagtactt ttatttcaca cctcctgtgg ggcttccttg tctccaggac 240
 tgggtagagc ctgagaagag agccagcctc taaagaaccc aggctgtcac cggatgcact 300
 gattgttcct aaagggtcca agtccctggc tccgtgcatt tcacaggcac agtgggcaga 360
 gctgtaagct acattcaggc ttccttgga ctcagggact t 401

<210> 1198
 <211> 221
 <212> DNA
 <213> Mus musculus

<400> 1198
 ttgagcttct ttgttgagac tccataaaga gaaatgcacc aagaaacttc tgggtggtgtg 60
 ctgaggcttc ttgccacttc tgcagactca ggctgattgt tagatgatgt cggctgaggc 120
 atgacccatg gaggacccat gatgtttgaa aaaggactca atggacaata aaagaggctg 180
 ggcttggtctt gctggtacag ttaactgttc aaaaaaaaaa a 221

<210> 1199
 <211> 200
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 119
 <223> n = A,T,C or G

<400> 1199
 aagcctgagg atgctgacct gggaccagaa tggccagtgc ccagtaatct gaagtttata 60
 gctaccaggg gcgaggatga gggcaggatt ccagcgctc ctacgagcag ggccatcana 120
 aagaagaggc ggcggcatct gctcacacac aacttcagggt aactagtgat acaacaataa 180
 acgtaaacgg cttaaaaaaa 200

<210> 1200
 <211> 377
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 64, 68, 84, 88, 103, 106, 148, 156, 177, 179, 191, 194,
 198, 207, 210, 215, 217, 249, 262, 264, 272, 292, 318, 322,
 339, 340, 355
 <223> n = A,T,C or G

<400> 1200
 gaggtgtcat gctaaccctt gggaantttg atgtggagcc tgacacgtac tgccgatatg 60
 actntgtnag tgtgtttaac gganctgnga gtgacgactc tngngangctg gggaaatttt 120
 gcggagacaa ggcccctagc cccatctntt ctgaanggaa cgagctcctg ggacacntng 180
 tatcgatct natntgtnac cgcaaanggn ttgtnancct cctacaggac cctgccacgg 240
 gattgccgna gagaaggagt cntncctgag tncaggggag gacgtacagc tntggtcccc 300
 ctgcccgtc ttaccctnag tncaggaact gggccctann ttctcaacct gcccnctaaa 360
 ccttatattc ccaacct 377

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<210> 1201
 <211> 323
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 36, 41, 43, 57, 60, 77, 120, 127, 128, 145, 173, 178, 181,
 182, 186, 196, 202, 218, 219, 231, 263, 273, 292, 297
 <223> n = A,T,C or G

<400> 1201
 aaggaacaga accgatgtgt cctgtgaatc cattgnccct ngnaacaaca ggagggnaan 60
 tccctcctga aacagancca ccggaccac cggatgactc cagcaccaca ttctgaaan 120
 gaatctnnta tgtgaatata agganggact ttttactccc tgagggactt gangttgnaa 180
 nncggntctt gcttanctgt anaaatggac tgggatannng gctctagggg nggactgttt 240
 acacacttca ggaatctagg ggnacctgtt ccntgctaaa agaggctatt cngaacnttg 300
 gggcttggag tgccttgctg cga 323

<210> 1202
 <211> 224
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 55, 65, 69, 71, 73, 74, 84, 89
 <223> n = A,T,C or G

<400> 1202
 gccagaaga ccatgggtgn gagcagatgt gcgtgaacat gctgggttcc tttgnctgcc 60
 agtgntacng ngntacacc ttgnctgang acgggaagcg atgtaccgct gcggactact 120
 gtgcctcaga aaatcatgga tgtgaacacg agtgtgtaaa tgctgaaagt tcctacctgt 180
 gccggtgcca cgagggattt gctcttaaca gcgaaaaaaa aaaa 224

<210> 1203
 <211> 207
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34
 <223> n = A,T,C or G

<400> 1203
 ggaaaaccaa tggttgaaaa atatcatagt ttgnccaact gatggagaac tggaaaatac 60
 tctttttcat caagtttttc agttcacccc gttttgttca tagtatgtaa gaatggacat 120
 cggctttgat gatacatgct gtctgtcata atgtataata tttaatgatt gaaattaact 180
 gtttggggat cctgacgctg aagtgtg 207

<210> 1204
 <211> 298
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 28, 42, 45, 69, 73, 106, 169, 173, 179, 185, 194, 217,
 226, 227, 238, 248, 259, 272, 274
 <223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 1204
agactgaggt ggggtctttc nacacgentg cgcgaggccc gncgncagga atttgacacg 60
ttcatcgtnt ccncgacgac ctttcacacg catgagtcca tcgcantccc cgtcatcgag 120
gaggacgggg agagtgactc ggactcggaa gatgccgatc tggaagatnc tgncttgant 180
gaagngtgcg cgtncctttg tccgcgtggt ggcgcgntcc ttgagnntgg ccccggcnga 240
acctggtntg cctttttgnc ttatacccca tntnctgttt gctttccgaa gacaagag 298

<210> 1205
<211> 109
<212> DNA
<213> Mus musculus

<400> 1205
ctgaggtctc ctatgctcag tcaactctcc taactgtaaa tcaacactaa gagcactaga 60
aggttaaagg tcaaggagac tctcaciaag gatccaggat tctccttgt 109

<210> 1206
<211> 342
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 287
<223> n = A,T,C or G

<400> 1206
aactgaggcc cagagaacac tgaagacata catccccagt gaagggcatc attacctaca 60
aaggcggact gtggaccata cgacgagaga agcccatcat catggatgtg tcccatcatt 120
tctatggcag tcccaggatc tcaactctct tgatgctcta ctgtttgatt gttcatcggt 180
cacatacaga aatgacgctg gtttcctgtg ttgaccttgc accctgctac tgtcatcact 240
ggcctggaag tcagcagtat agataaggct ggccctgaat tcaaganact cacctgtttt 300
tgcctactca gagttactgg aattaaaggc ataacaacac ta 342

<210> 1207
<211> 137
<212> DNA
<213> Mus musculus

<400> 1207
aactgaggca aatgaccatg gaaacagttg aatcacaagc aggatcgaag tgtaacacag 60
ttctgtggca gagcatagct ctgctcatat gcagactggt caaatctctg ttcctactct 120
agctcaggta ggccata 137

<210> 1208
<211> 429
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 58, 64, 78, 97, 98, 99, 100, 101, 105, 115, 129, 131,
134, 137, 139, 152, 163, 174, 180, 214, 215, 220, 241, 247,
250, 297, 377, 380, 403, 404, 405
<223> n = A,T,C or G

<400> 1208
gagaaagcgg cgtaccgcct tctgtatcac ggatgcagcc ctgtncctgct ggagccanca 60
tgcntgagct tcacgtcnag tgcttaagat cttgtgnnnn ncccnagcaa agatnggact 120
cgaacacanc nganatnanc ttatcact tnaagagagc agnatggcag gatnacttcn 180
gaggagcaca tgccttttaa cagtgccacc gcannatacn gtgaaagcta cgcctctgga 240

- REPLACEMENT COPY -

nccgtgngcn gcaagtaaag agactcaccg gggacattcg ttatttctga acgcatntta 300
 tacacacatt cccagcttaa tcacttttag aactttaaca tgaaccagag tcaaattgctc 360
 ttgagagaga gaaagancn gagagacttc ttttttgga ggnnnataaa aagcttttaa 420
 actcattgg 429

<210> 1209
 <211> 190
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 21, 26, 60, 63, 166
 <223> n = A,T,C or G

<400> 1209
 acttcaagtt tgggaaaatn nttggngagg gctctttttc aacaaaagag tatgagcctn 60
 tgntgctgtt gcttggtgag cacagggttc tcttgggatc atagactact gagaacacct 120
 gactaggcaa tggtttccct gtgcccctgt gggtgtctgc tgctgngcat tgccactaga 180
 gtcttgggaa 190

<210> 1210
 <211> 260
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 139
 <223> n = A,T,C or G

<400> 1210
 gaccacaaga ttgcagtatt ttacgttgct gaaggacaaa gaagataaat actccattct 60
 caccaatata ggaggaagcc aagcatatga agattttgta gctggccttg gttgggaggt 120
 aaaccttaca aaccactgng gcttcatggg aggccttcag aagacagaag cactggactg 180
 accactccct attttgctac ctcgacagta gaagtaatat ttcattgtatc tacacgaatg 240
 ccttctgatt ctgatgactc 260

<210> 1211
 <211> 168
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 57, 62, 96, 100, 111, 115, 116, 118, 122, 144, 149
 <223> n = A,T,C or G

<400> 1211
 caccaccacc accgtctcca ccangtggca gaccccgccg cccagagacc agaggangac 60
 tnctggacgt cagataatga ggagcaggag gaccnatch gataactgca naggngnta 120
 tnatccacac gaaaattgga gatntcttnc atggtcagac ctcatgtc 168

<210> 1212
 <211> 120
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 41, 65, 82, 83, 84, 90, 94

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 1212

tgtgccagct ccacagccag cggcccgaga gagangttat nattgccccg gaagtcaact 60
gaaangaact ggcccccttg annnttcccn aanacctgg caccacttt ccagccccgga 120

<210> 1213

<211> 321

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 22, 30, 55, 88, 97, 100, 139, 144, 168, 173, 188, 190,
191, 204, 207, 212, 214, 251, 255, 280, 295

<223> n = A,T,C or G

<400> 1213

aaaaaacagt tccgttgccc nntgtgtgan aagatattca tgagggagtg acttntctca 60
ccaagcatgc ccgggggtcaa ccgagttntt cccagtnnng atcaaaaaga tcaaaaagg 120
gtttttgccc cccctttgng gggngctccc catggcacc aggcaaanat ggntccccg 180
aaggaaanan ntcccaggaa aaangantga cncntggaaa ttgccccaa aaaaggcccc 240
ctggccaaag naggncactt gttttttggc caaatattcn gatattctcc tgcctgttc 300
caaaaaagca cattgggtccc c 321

<210> 1214

<211> 247

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 56, 58, 63, 73, 86, 90, 93, 96, 98, 103, 110, 118, 127, 157,
163, 165, 200, 215, 224, 226, 230

<223> n = A,T,C or G

<400> 1214

gttttttttt tttttttaag gggggggggg ttaaaacact accttgcctc ttgctncnat 60
ggnaattcac ggncttgcca atatantnng tgntgngncc ccnagtgcen tccgaganaa 120
tgacatnaag agcttctttg gtcgcaaagt ggccatngat gcntncatga acattctacc 180
aatttcctga ttgctgttcn tcaggggggg gatgngctgc aaancnaggg ggggtgaaacc 240
accaccc 247

<210> 1215

<211> 171

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 43, 45, 50, 54, 58, 59, 62, 84, 86, 93, 110, 113, 121,
129, 147

<223> n = A,T,C or G

<400> 1215

ccaaggatca tgcacatgt nctattgacc caagagttgg ggnctgtggn ggcntccnna 60
angggctgtg tgttctgcaa gaantnggag ccngcttcca aggaggatgn ggncttgaa 120
ngggacttnc ggagccaaac ggctgangaa cgctattacc ctgacccac t 171

<210> 1216

- REPLACEMENT COPY -

<211> 335
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 19, 39, 71, 311
 <223> n = A,T,C or G

<400> 1216
 cactgaggct aggganggna agaggggtggg cgatgtggnt ggagcccagg cctacgcctc 60
 cactgccaaag ngcctgaata tcagctccct gatcttcagc atccttatgg tcattatctg 120
 catcattatt ttctctacca cctctgtggg agtctttcag tctttttgcac aaagaacacc 180
 ccattctgga ttctagctgc cctgtgctcc acgggtccaca tctgccccgc ccctgccccg 240
 cccccaggct caagcctcga ccctttaccc tacgcgtatg caaatgttac cttcacctat 300
 ctgtccacag nggattcaat aaagtgcacg gggtc 335

<210> 1217
 <211> 312
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 24, 38, 53, 72, 75, 76, 107, 112, 151, 162, 199, 215,
 228, 258, 260, 287, 289
 <223> n = A,T,C or G

<400> 1217
 ctactgctca aacaaggnaa gctngaccga accaaaanac gatttcaaga cantgctcaa 60
 atctaaccce ancgncagg aggagaagga agccgagtct cacttgnaaa anctgaccag 120
 atgcagcggc tgcgctccca aacgctcgac nccttttgacg gngccgaata cactgctgct 180
 ataacccttc cttgataana atttaaaagt ttggnttttg ggatgcanaa ctgcctgaac 240
 tgggaagcag aatgcttnn aaaggaagga agagcccagg aaaaccntna accgacttaa 300
 aaggctggtt tc 312

<210> 1218
 <211> 412
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 54, 81, 88, 128, 162, 205, 358, 361, 370
 <223> n = A,T,C or G

<400> 1218
 acagtcagat gggctcttcn ctctccctgg cctggaccag ctccctgctg ctgntgctgg 60
 gaggcaccc gctctgtgtc nacatccnag tatgcagaga ctttccccgt tgcattgaga 120
 cccctagngc tagaccttca ggagccaaca acgatacctt anatgtttga tggccagcac 180
 actcacgtct ggaggggaaa acttntctca gaggcctctc tccagggtctc agaatcattg 240
 aactggaggg aggaaagaca ggtctacgga gctgcccaca agctgtgtag tggactctgg 300
 atgcggctag ctgtgtcagc accatgctga ggtgggcttc ttggtgctga agctgcnag 360
 ncttctaata taagggaccc caataaagtc attgttcccc taaaaaaaaa aa 412

<210> 1219
 <211> 389
 <212> DNA
 <213> Mus musculus

<400> 1219

- REPLACEMENT COPY -

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ggaagtgaca gcgagtacga agtggacacg aacacccaga aagcccactc ctttgtcaac 60
cattacatca gtgacccac atattacaac tcttggcggc gccaacagaa aggcatctct 120
cgggcccagg cctacagcta cacagagagt gattccggcg aacctgacca cgtcactgtc 180
cccaacagca acagcaccca gcaaggcagc ctcttccggc ccaaggccag ccggactcca 240
acgccccaaa accccccgaa tccccagagt cagcagagca ccctctaccg tccccccagc 300
agcctcgccc ctggctctcg ggcacccata gctgggttct catccttcgt ttgacatcaa 360
aagaggagaa agaatgggga gaaaaaaga 389

```

<210> 1220
 <211> 272
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 27, 30, 48, 53, 54, 75, 97, 117, 118, 139, 140, 148,
 153, 155, 161, 170, 171, 206, 208, 211, 213, 215, 217, 236,
 251
 <223> n = A,T,C or G

```

<400> 1220
gaaggacaca tgccgagtng gatggcngan actccctgag caattatnat ganngccgag 60
ggggcccagag caacntttac agtgggtcct ctgccancat taaggccgct tatttcnnc 120
ggttaccgcc ctaatctcnn ggatcganc tcnanatgcc ncggggggccn nggaccatcc 180
tgggctacta accttgacgg acctgnangc ncnanangat agtttggtga tgcattcaat 240
agtatatgcc ntcctgtaca gtccttatct cg 272

```

<210> 1221
 <211> 156
 <212> DNA
 <213> Mus musculus

```

<400> 1221
gcttgctgct cgagatgtga gtcttcagat gttcctgccc ccatatctga cagctgctgc 60
caagattccc tgggtgggatg gactcttata cctcaacaac cagaagccca agtaaactct 120
tctataaatt gaatgactca tgcttaaaaa aaaaaa 156

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<210> 1222
 <211> 433
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 50, 71, 167, 387
 <223> n = A,T,C or G

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<400> 1222
gaattgggag cccccaggct gtgaaaaact aggggaagtgt ctgacacctn ctgagtctgt 60
ccctgagaag ngtttctggg cccattagcc aagaccagaa tctccagcca gccctgcaag 120
tgcttgggag acctgtgcct tcggactgat gaatggaaga gaccagntgc cctctgcca 180
cccatccctg catggacggc ccctgcaacc aggtgcaagg ctccaagact gctcatcctg 240
gagccctgac cctgtagtcc gctctcgagc accacagccc atcttgccaa ctgggttcctg 300
aaaaggaagc cggggccttg atcacgtag gtacgccagc ccagggtctg aagcactgtc 360
actgtccctg catacatttc aacctangtg ccgtacacaa aagtgaagat ttcagcgaaa 420
tgccaaggaa gtg 433

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<210> 1223
 <211> 216
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<400> 1223
ggatccagac ttgccttata aattcttgaa ggcaaagaag gattgaaaca accaccagag 60
atgtctgagc cacttggtga gaatgaaaaa cagcgtatgt acagtaagct tgcacacaga 120
aggagggccg gtgactactt tcgggtttaa tttttgatac aactttctat tcagtatgta 180
atgaataata aagaaaactt tgcctgtaa aaaaaa 216

<210> 1224
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 49, 52, 70, 150, 152, 159, 198, 212, 233, 246
<223> n = A,T,C or G

<400> 1224
gagcctggac ctggctgtgg ccctagagcc caacgcctcc ttactgaana angccctgca 60
agcagcgttn agacatgtga cccactgacc atacacaagg acacaccgac ctgactgctt 120
gtctcataac acacagccat ctcaggagtn anctgcctnt gcccaacacc ccatgctctg 180
caggggccat attgactnca caaggagcag anaggaggcc ttgggtacca ctntgacaa 240
catcangata caggggctgt ggaggatgag 270

<210> 1225
<211> 474
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 400, 422, 448
<223> n = A,T,C or G

<400> 1225
ggcagctgat ggcaccggag ccgctagaga agctcggctt tagagaccta atggaagggga 60
agccagaggc aaaggatgaa tgttgagaag ggagccacag gaccttgtcc ccagcctgga 120
gcagagctga gcccttctgc ccacagtga gggggacctg acactcagcc cgtgctgccc 180
cgtgcagggg ctctccctgg ggactttaga acatggctca cccctgcagc acacaccgaa 240
atgtttcctc tgttgacctc ggttcccctc tagagagtgt gtttttcttc cgtctgtgtg 300
tcacaggacc cgtcaggact gaaccctgct gtgatttgat atcccgccca gagggtgtgt 360
cacaccacag agccctggcc agcattccac agcgactcan cctgtcacag atctgagtcc 420
tnacactgga acctgtaatg aaaccaancg acaggaaaat gtccgccttt ggct 474

<210> 1226
<211> 266
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 88
<223> n = A,T,C or G

<400> 1226
gacacacaga gaacagggtc gtgcccatta gacagaagag atttgggtcat cagctcctg 60
ggagacagac agaagacttg aagttcanca atccccctgc ctctgcaagc cccatctatc 120
ctaactgt acccctggc tgtgatctga ggatgacaag atccgagaca tccttgggca 180
gcttcacact gagatagaaa taaacccaaa tgaactatga aatggggcca taaataaagc 240
ctggaattga attctaaaaa aaaaaa 266

<210> 1227

- REPLACEMENT COPY -

<211> 342
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 36, 314, 316, 320, 322, 323
<223> n = A,T,C or G

<400> 1227
gcaagcccg caggtccgag cagcacgaga agcgtncatt gacaggaccg gagaaggctt 60
ccatggactc tgacactgta aagttgggtca agccccacaa agaggccatg gtcgcccacc 120
tggatgcggg cccaggggatg ctccaaccct gtgtgctgcc ctccagccaag gaaagatctc 180
ctgtgcgtga tcaagagagc cgttcgaatc gtgacagccg tgacagccgt tctctgatga 240
ccctagtcca ctccagctct atgttcatgt tctccatgct acagtcgggc tggcgactat 300
gtaggtggaa gtgntnaatn annngctggct catacttcta cc 342

<210> 1228
<211> 199
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 61, 68, 71, 72, 82, 85, 90, 98, 100, 102, 105, 106, 125,
126, 169
<223> n = A,T,C or G

<400> 1228
acaaagccac ccaccctctg acttctatatt actttacaat gatgttagcc cccccccctt 60
ncagaatnag nnaaatgggg gnttngggtn aaagaacngn angannggag tctggacgat 120
cagcnntccc tgcaggtgaa gaagactcat gaactcacca atcctggant tgccgaagtc 180
accatgcggc cagaccaca 199

<210> 1229
<211> 380
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 58, 112, 118, 124, 145, 149, 152, 165, 181, 195, 210,
257, 308, 353, 362
<223> n = A,T,C or G

<400> 1229
ctccttcacg ggtcttccat cccctccnc ttgcccgcgc ggtactcctc tctaaagncg 60
cctgtacccg ctgggggttcc caagggtaac agtaaccctc tcagtcaata gncagcgnaa 120
cagnaagtcc ctcaatggtg ggagnatgna gnactcccat cctanctttg gcctctcagg 180
naagtaaaaa ctgggnatcca gcaccagggg aattagctcc gaccaccccc ttgttcttcc 240
gatgctgtgt ctacgggnact tggccacagc aggcctgtgg gtggattcct ggtgctacca 300
cctgccgnac caaaagccgg atcaagggat tggaacttgg ttgccattct cancaggccg 360
anaccgtgga ggctgtttga 380

<210> 1230
<211> 243
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 40, 47, 50, 55, 61, 133, 139, 169, 170, 183, 195
 <223> n = A,T,C or G

<400> 1230
 cagattcctt agggagcatt tgcctccata tgaataagtn taccatnacn gtggnaagcc 60
 naattacagg acacattaaa ggaatgctgc ttactggctg gctttctgct tctgctcatc 120
 ttgcctgtac agnctaagnc cgaatgccat ggtggaactg ccatggtggn cttggccctc 180
 ctnaccaatt aatantaaca gttattagta gtattataat gaacacccca taaacatgcc 240
 cat 243

<210> 1231
 <211> 193
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 21, 66, 75, 83, 112, 120, 139, 145, 146, 149, 151, 159
 <223> n = A,T,C or G

<400> 1231
 cgtggctgct gaccaggnc ncaggcttct aaactggccg gccctggaga gattcggcca 60
 cttganctag ctganagctg tgnacatggc cctgtatggt gcggaacaag angactgggn 120
 aatgcatctc acatggccnc gggcnnatnc ntacacatnc tggaaggaaa cttgctcaaa 180
 actagtggac cct 193

<210> 1232
 <211> 152
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 54, 75, 86, 89, 90, 97, 107, 109, 116
 <223> n = A,T,C or G

<400> 1232
 gcttagagca cgacctaaan aactacttct aaacagggtcc acacacgccc ttgncctagt 60
 acccgatctc ctccnctacg ctctgntggn gctctanaag ggagatngnt gcattnaaga 120
 accccaaata aaataggctt tgaaaaatca aa 152

<210> 1233
 <211> 492
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 313, 322, 372, 378, 400, 402, 424, 433, 437
 <223> n = A,T,C or G

<400> 1233
 aactgagac ttttcagaaa agaagatgga ccagcctagt gggagaagtt tcatgcaagt 60
 attgtgtgaa aaatacagtc ctgaaaactt cccttaccgc cgtggccctg gggtgggagt 120
 ccatgtccca gccactcccc agggctcgcc tatgaaagat cgcctcaacc tcccgagcgt 180
 gctcgtgttg aacagctgcg gcattacctg cgcgggagat gaaagagaaa tcgcagcctt 240
 ctgtgctcac gtgtcaaaaa ctcgatcttt ctgacaacaa gctccaaaac tggcatgagg 300
 tcagtaagat tgngtcaaat gntcctcaac tggagtttct aaacctgagt tccaatcctc 360
 tgagtctgtc anttctanaa aaaaaatggc tgggtccttn tntgggggtc gcaaacttgt 420
 cctnaacaac agnaaangca ttatgggaaa cagtgcacac catactgcag gagttgccaa 480
 agttggagga ct 492

- REPLACEMENT COPY -

<210> 1234
 <211> 456
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 375, 382
 <223> n = A,T,C or G

<400> 1234
 cactgaggaa agagtgggtca cctggaattt tgtgacaaag aaatacatct atgggaaccg 60
 ttatgagaat cgagtggagag tatctaacga tgctgagttg tcaaatagcct ctatcaccat 120
 cgaccagctg accatggacg acaatggcac ctacgagtg cccgtgtcac tgatgtcgga 180
 ccaggatgtc aacgccaaagt ctcgagtcgg cctcttggtc cttgaggatt tcaaacaaat 240
 ggcaagaatc ggtgtaaatc tgaaacctga ttctgctggt cctccaacca aactccggcc 300
 cgtacatcaa ggaccaccta ctttttaaaga caatcagatt aacccgaaga gttaaggcta 360
 cacgtttaat atganaagta tnggaattcg ttgaaactaa cctcttgctt taaaaaaaaat 420
 tacatgttaa taaaccacgc aatattcttt gtggggg 456

<210> 1235
 <211> 162
 <212> DNA
 <213> Mus musculus

<400> 1235
 gactgagtga ggaaaacatt tggaagctct gtgagtacat caagacacac aaccagtatc 60
 tggttgaggga gtgctatgca gtcttcatat caaatgagaa gaagatggta cctatttgga 120
 aacagcaggc aagacctgag aatggacctg tgatctggga at 162

<210> 1236
 <211> 406
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 388
 <223> n = A,T,C or G

<400> 1236
 agactgagta tttggaaatg aaccttggac tttaagaacg cttggagtca ttgaaccaca 60
 cccaactcct attctgacat ttcactgcta tccaggattt acagaaaatg ttagaaaaac 120
 tctgcagcaa tggtattttg aaattttataa agcctttaca aaaatgtgaa gaaagatgta 180
 tataatttgtg gcatcttgat ctctactata aattgcgaaa tgattggatt gagcttaagg 240
 tattaagact tttaattaga aaatttttaa taaatgatgt tctggatatg tcatgcatgt 300
 aactttggag aaaaatgtca actacgtgta acacccctg acttgccatt atacctatta 360
 tggattcaaa ggaatttaat acacctgnct aggttaaaaa aaaaaa 406

<210> 1237
 <211> 174
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 68, 76, 120
 <223> n = A,T,C or G

<400> 1237
 aagtatttat ttcatgtcta tgcacgttct gcccatgttc acgtgcatgc ctgggtgctgg 60

- REPLACEMENT COPY -

```
aggatcanac gaaggngttg gatctggcgt taaagagggt tgcaagctcc aggaatggan 120
cctggatctt caggagaaac agaaagagct cttaaagaat cccaaaaaaa aaaa      174
```

<210> 1238
 <211> 323
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 17, 34, 55, 97, 98, 233, 239, 246, 248, 249, 253, 255,
 257, 268, 271, 279, 285, 288, 289, 290, 291
 <223> n = A,T,C or G

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<400> 1238
gaagagtatt ccctcnnagc taggagactg tganaatcta gagagactgg actgntctgg 60
gaatctggac ctgatggatc tcccctttga attaagnnat ttgaagcaag ttacatttgt 120
ggatatctct gcgaacaagt tctccagcgt tcctatctgt gtcctgcgga tgtgtcgcct 180
gcagtggctg gatatcagca gcaacaatct gagtgacctg ccacaagata tanacaggnt 240
gctacngnna ttngnangcc tgctgtanta naacaatcng agctnctnnn naccagcctg 300
cttacctttc tgaagccaag ctt                                     323
```

<210> 1239
 <211> 392
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 230, 291
 <223> n = A,T,C or G

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<400> 1239
cagtgtact accttcagac taagcattca agcctatgag cccttggggc aattcttatt 60
ccaaccacag cacatggtga gaaaggtaaa acaacaggaa cataagcagc tggtcacgtt 120
tcttctacag tcaggaagca gaagatggat gaatagctgg tctcagggtg ttctctgata 180
ctgcagcatc tcagtcaaac agatgcttcc aactgcaatc aacagacctn ctgaaatcaa 240
ttaattaat caagataaat tctacaaatc aacaagaggc ttgcaaataca natgattcta 300
gaactgatgg tactaacaat ggagatacaa gaattacttc ttgatctttg tacatataaa 360
acacagttaa ttaaaaaaat taaaaaaaaa aa                               392
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<210> 1240
 <211> 164
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 115, 123
 <223> n = A,T,C or G

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<400> 1240
acgaggacca caaggcagaa aggagaactg aagaatccaa agccccagtg tacacacatc 60
tcttctgact cttccagcaa gacggccctg ttttccacta ttccaggatc agacngagggt 120
canaggtaaa cttccaaccc acttctcat gtgcaccctg ccct                    164
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<210> 1241
 <211> 200
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 17, 19, 26, 50, 65, 71, 87, 98, 109, 113, 114, 123, 146,
149, 156, 157, 175, 177, 180
<223> n = A,T,C or G

<400> 1241
cgagattatt gaggcgngna atcggntgac gcttcccgtt ctttcataa tggtgtgggc 60
atctntccaa natgaccctt gatcagnact cagagccnaa ctggagggna ganntgggct 120
aanggccag gctgactgca ttaccnctnc cttgannaga cttatacgct atcantntan 180
atataggaag agaaggcctt 200

<210> 1242
<211> 220
<212> DNA
<213> Mus musculus

<400> 1242
acatggcaca gccacctctg tataaatatt ggggccacac agctgcaaag gcatctcctg 60
caggaggacc taattgagga ctgcttgaga ccaaggatta tttatgtaaa caatgtcagc 120
caaactgctg ttttggggac caatggggca cgagtagagg gtattaaagg agcttgcagc 180
agttcagatg agcgtgctgc tgaagtctca aaaaaaaaaa 220

<210> 1243
<211> 150
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 46, 64, 77, 89, 97, 103, 114, 120
<223> n = A,T,C or G

<400> 1243
aaccagcata tgtgggagac ctgacaaccc ggcctgtgtg gaggtntcac aagccaacgc 60
ccanccacag gggaccnact gttcctggna ctggaangtg tgngatacgg ctngtcttn 120
tacaatgctg agagagggta ttaatacccc 150

<210> 1244
<211> 350
<212> DNA
<213> Mus musculus

<400> 1244
cctcgtgatc tggacaagcc ctatgctctc cctgcattgt gggaccctga gtccatgcct 60
gcgtctggaa tgctgttgga agcctgttcg tgcttttttg ttaccaagac tcagacagca 120
tagaatctac tcagcatctc cttcgccaca gcctcccttc cccaacatca cattagcctt 180
gagttgtgat cgactggcag gagccctagc aggctgaga atagcatctg tattatggta 240
gaaagcccag aaatgaaccc tggggagagg ctctggagtt ggcctggaga aggagagagc 300
attactatgt tgataagagg gaaacatgga agaccaacaa ggagacacag 350

<210> 1245
<211> 248
<212> DNA
<213> Mus musculus

<400> 1245
gactgagatg tgttttttaca aggcaaacag ttccataagg ccttggaag catactgtca 60
ccccaggaga acctaacagg gggagaagag cccccccagt gtggctacat cgaaagcatc 120
cagcatattc tgacagaagt cagtgggtgt caagctctgg agagtgccgt ccagcatgag 180
gccttgaagt atgtagggct gctggactgt gtggctgtgt accggggcaa gctgcgtgag 240

```

- REPLACEMENT COPY -

248

attgattg

<210> 1246
<211> 341
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 39, 198
<223> n = A,T,C or G

<400> 1246
acggcaggaa atggagccat tgctttctct gcaaaaagng tgtgaagcct tcctggatcc 60
attgtaacac ctgcaatcgc tgtgcactcc cagaccattc ctgtttgggg cctaaagatg 120
gctgctttat ttgtggtgcg ctggatcaca aacgcagcaa ttgtcccaac atcggcacct 180
cttgagagagc taacaagnta gttgaattct ttggctttct ggaaaaaaga ttgctcatgt 240
caagcttcct aggagcaatc tacagaagta caaagctttc agaggactca gaatttttca 300
gagtgcataa tcgttcctct caccattacg tgagatgcca g 341

<210> 1247
<211> 352
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 43, 55, 61, 67, 80, 83, 114, 128, 134, 149, 156, 160,
170, 171, 178, 182, 194, 201, 206, 209, 216, 222, 223, 228,
233, 234, 239, 328
<223> n = A,T,C or G

<400> 1247
ggcaggggaac tgtgagaaan ttgtcctga cagcgcacct gcntccttca tgaantgaat 60
ntgaatnttg atctacacan atncccgggt cttcttgact gtggtgactt gcancatcct 120
agcagccnta tcangaggaa aatgagcang gctccngccn ctatgcctgn nactggtnct 180
gncacatgc caangctctg nacatntgnt tcctcngaag cnnaaacnga agnnccgtna 240
aacataagct cggagatgcg tgcacaccca ggacagaagc ctggacagga tggcttccaa 300
accacactta acaaccctcg catgccgnga gatgccagga cttggaaggt gg 352

<210> 1248
<211> 243
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 44, 223
<223> n = A,T,C or G

<400> 1248
gaactgagag aatgtcacta acagcacggt cggggggcagc gcanagccgg aacccgagga 60
gttgagcctg gtgaatggct ggctcagctg taaggcccag gatgagattc tgaatttggc 120
cttcaccgtg ggctccttcc tgctcagtgc catcaccttg cctctgggca tcatcatgga 180
caagtatggt ccaaggaagc tcaggctgct gggcagggct tgntttgatg cctcctgctt 240
gct 243

<210> 1249
<211> 232
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 22, 31, 46, 48, 57, 58, 66, 68, 74, 87, 88, 91, 111, 127,
 138, 139, 144, 146, 155
 <223> n = A,T,C or G

<400> 1249
 gtggaatctt actactcgct gnaaggaatg ngactacaca agcacngngc gacgctnnga 60
 ctcaananaa gctnaagctg tcaactgnntc nctatatgaa ctacacgtga ntaactcctt 120
 ttttctnatg tctgactnnt gtgncnctat ctctnttttt tggagtctgt ctaatttcat 180
 ctgtttggat tgctttttaca cattaaaaaac caatttttta aatgaaaaaaa aa 232

<210> 1250
 <211> 317
 <212> DNA
 <213> Mus musculus

<400> 1250
 ctgagggaga agtttgcgag gggcagccca ggtttctgga gatgatgcgt aggcagcaac 60
 atgtctggga tccgaaggca aaggagccgg ttgcgctgtt ggggacaaca ctttcttctc 120
 tatgaccatt tcgtgattgc catcaaagac agcggcccac gggggtgctg cggattgatc 180
 atcccgacca atgaggaact gtccgttggt ctctccgatt ttcttttgta ttatgtctgt 240
 tacactttcc agtttcacgg gtgaatcgat gcctgtagta attataagaa gaaactttat 300
 ggaaaaaaat caaacgg 317

<210> 1251
 <211> 374
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 293, 310
 <223> n = A,T,C or G

<400> 1251
 ggcctcgca gaagagagcg cgcgcgggcg tggccgggga cgcgcagtcg attggccgct 60
 cctcgccgct cgcagctccg gctcggacca accgcggagc tgtgcctgga ctctcccgt 120
 caccaggagt ggtctcgaga gcccggtgctc gctgccttta ttcagagtgc gcctgcgcag 180
 tagcaaagct tgcctttgct ccaggaccgc ccccttgta gtcattattgc tagccaatcg 240
 cggcgtcagc cagtcataaa gggcttggtt tgtgcaacc caattctgcc agncatttat 300
 tttaaccttn cgcaggcatt cactgccagg ggtggaccta gagccatata tataggggct 360
 tagccagcac cctg 374

<210> 1252
 <211> 178
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 58, 138, 139
 <223> n = A,T,C or G

<400> 1252
 gactgaggta ccaaccactg tgtgtgacct actaaagaaa ctacatggaa aatacaangc 60
 gtgtctgtct tactgagtga gagaaagtga atcaagcata aacattcaga ggcctgacct 120
 agtatacagc aggtatcnna cacaaacctc tggctggagc tgcatagaaa aagaaaaa 178

<210> 1253
 <211> 272

- REPLACEMENT COPY -

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 170, 206
<223> n = A,T,C or G

<400> 1253
ttactgaggt gccagggccc gtggttctcg tccagctgga agggagggct gagctgctcg 60
ttgttctcag ctgaacacag cacaggctcc agggatagca tgcagagacg aagaggaaga 120
acagagaggg ccaggaagag acggcggcga agctctgggt caagagcagn gaatgagagc 180
tacagatcag aatttataga gctaanaaaa tggctgaaag aaaggaagtt tgaagacaca 240
gacttagtac ccgccagctt tccaggtgag ag 272

<210> 1254
<211> 310
<212> DNA
<213> Mus musculus

<400> 1254
actgaggcaa ggcaagacag tcatgcagtt ccaaatacgtc actggctgca cagcgtcgaa 60
ggccatcgtg gggttcctga aactgtctcc cagaaaatca aattctccgg ccagaaagag 120
ttccgttggg aaagtagctg cctgacatac cgtgtgccct ggaccccatc ctctgagggc 180
ggagacttac aggctcgtgc taccaacact cctggtttta tatggtgcag aggattgtcc 240
caaattcaag gtcagcttgg actacagaat atgacgatgt caaacgaaca agcaaacaaa 300
ccaaaaaaaaa 310

<210> 1255
<211> 115
<212> DNA
<213> Mus musculus

<400> 1255
gagaaatctt tctttgactc agaagaagag gcacttggcg aggtcctcca acaagtttgg 60
tgatcttaag tatgtccgag ttgtcttgca tccagacaca gagcattcta aaggt 115

<210> 1256
<211> 377
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 25, 49, 51, 54, 56, 64, 67, 75, 76, 86, 98, 102, 103,
105, 108, 113, 115, 117, 119, 129, 130, 135, 155, 171, 172,
182, 185, 352
<223> n = A,T,C or G

<400> 1256
ctgcttcttc tttgggaagn aatgngcgca ctgcgaggta tcccaaatnc ncangnaccc 60
cganganggg cagtnngcgg agccantctg aaactganca cnnncanac gtnanancnc 120
accggtctnn tgganggaac gcagggcctg tctancttac cttggtgcct nccccgtgca 180
tntcncaacc tatctcctca ccggtaaacc atatacacag cagacccaac ccagccagga 240
ctatcgaatt ttatctgtag cctaactcca ttcgtgaaac tgaaattctt ggaaacaaat 300
actattttaa atatcctatc tcattagatc tgctaaatat atttgtcctt gnacttactt 360
ttatatggaa atataaa 377

<210> 1257
<211> 237
<212> DNA

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<213> Mus musculus

<220>

<221> misc_feature

<222> 81, 85, 87, 89, 92, 100, 117, 143, 150, 168, 188

<223> n = A,T,C or G

<400> 1257

ggaatggcca	gtgaggactt	ggaacctagt	gaagaactag	accagccctg	ttttgaggag	60
tcattagaag	acgccctgag	ngacnancnc	anttggagtn	ttggatgtga	tatccantga	120
ggagctggac	cttattgaag	atnattcaan	gtgaaggctg	tacgtggngc	cagggctaca	180
cttctcantg	aggacctggg	acctgggtctt	ccacgaggaa	ggaagcccag	tctctgg	237

<210> 1258

<211> 249

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20

<223> n = A,T,C or G

<400> 1258

actggtaata	tgcagactgn	cggcccggcc	tccctgggtgt	gaagcttgcg	gtagttctga	60
aacagctccc	tggccagcag	tgcaccactg	gagaatgtct	tagaaatcca	aactctctga	120
tccccgcaga	atcaggaaat	ccagaggtgg	agtacagcag	catgggcttt	acaaaccctc	180
aggggaagatg	atgtgtgtag	aacctgggtgg	gccaccgttg	tgcaaattaa	aagaattcac	240
acaacctgc						249

<210> 1259

<211> 299

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 71, 283

<223> n = A,T,C or G

<400> 1259

tgcctctgga	caatggatac	aaggaagcca	aactccctgc	ccaaggaaac	aagggtggcc	60
tctactccag	ntcccaaaag	agtactcctt	tccatcagaa	acctcatctg	catggccttc	120
agacgacaca	ctcccagcag	ccttctgggt	ctctgagccc	ccaccacac	tgcctgcgat	180
cttacagtag	cctgcggctc	caaactcttc	ctttccctcc	taaccagccc	caaaagctct	240
gccacgcgtt	cacgggcagt	gaaataaagt	acattttact	ttngaaagaa	aaaacataa	299

<210> 1260

<211> 211

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 132

<223> n = A,T,C or G

<400> 1260

actgagagtc	ttctgcccga	ctcccaccat	agaggctcagc	tccaggggaag	actttgggtcc	60
tagaggtcac	caggccagcc	caggccattg	cagaggaaat	cacatcctgg	gctatttgag	120
ttctgctggc	gntgattctg	atgggggaaga	cacttctgca	tctgcaatga	caagtcaata	180

- REPLACEMENT COPY -

agataaagct gtgttttttaa taaaataaaa a 211

<210> 1261
<211> 148
<212> DNA
<213> Mus musculus

<400> 1261
agactgggtt cagttcttga gactgttcct ctctgctgcc tcagagcacg attacactct 60
ggagtacctc tttctttgat cgacccatgt gactcagaac acccacatat gagtttgaaa 120
caaacgatca aataaataaa cgaatgaa 148

<210> 1262
<211> 233
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 34, 85, 116, 133
<223> n = A,T,C or G

<400> 1262
gagtatggac aacttggaat ggattcttct tcangtctca ccattaaggt caatgagagg 60
gcaagcagac agtgcaagtt accanaaaga ctgcaaagtc caactaaagg gcgaanggag 120
acaccaacca tancatcaga agtcacggct ggccggggcc aggctacacc ccgtatacta 180
agggagaagt ggctttacta ataatccat gtttgaacct ggaaaaaaaa aaa 233

<210> 1263
<211> 102
<212> DNA
<213> Mus musculus

<400> 1263
ggtcttagaa aaatacccta tgtggcaaga aaggccgatt tcttacctat tggagaacat 60
ttgtctctaa ataaaatctc aatcgttcca gagaaaaaaaa aa 102

<210> 1264
<211> 267
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 43, 55, 63, 75, 82, 194, 221, 223, 232
<223> n = A,T,C or G

<400> 1264
gaaattctac cccctgttc agcttcaaan caaacacaaa acnactgaag aaaanaatag 60
gangagggag agaangggga anaagagaag gacagtaatg aagataggat gaacaacagc 120
tctttgtcac cttttggact ccaatgcatg ctgagtgaat tgggaataatg ttgatctttg 180
gaaatattta gaangaccct atgaaaatgg gatgatgaac ngntctttgt cnccttttgg 240
actccaatgc atgctcagtg aattggg 267

<210> 1265
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

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<222> 19, 34, 47, 86, 115, 199, 202, 216, 218
 <223> n = A,T,C or G

<400> 1265
 gttaagattg ctgaggagnc tctccaaatt agancttgcc tggaagnngg tacaaactca 60
 ttgagggtgcc cagaagaaac gactanagat tagtttgaag cctcgcccaa gaaanacatt 120
 atttcccca atcttgtcca agcctgggcc cccaaggct tattgccaat ggaagcctca 180
 agcctttttg gtggagttn gntaattctt attatntngg gggagtggga cggtttcaag 240
 atttcaaggt taccctttgg gaaggtaaaa 270

<210> 1266
 <211> 259
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 33, 56, 170
 <223> n = A,T,C or G

<400> 1266
 agactgggat acaaattgga agacctgaat agngaggaac actctcagcg ctctanaaga 60
 tatggaagac ataagatctg tcactctgaa tacaagcctt gtgaacttaa gggatatgga 120
 aagaagcaat gtacctttgc agataaaagg tttcttcaaa tatatggaan aatccatact 180
 gaagggaac cctatgaatg taagcaatgc agtcaaactt tcacaaattt ctgtcatctt 240
 cgaaaacatg aaaaaaac 259

<210> 1267
 <211> 131
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 28, 36, 43, 46, 48, 50, 57, 58, 81, 103, 108, 113
 <223> n = A,T,C or G

<400> 1267
 ccctaagggg ggggtangat gtatgaangg ggggantggg aanatngntn ttatganngc 60
 ggggggaaaa gaaagtacct ncacagtcct tagagaacgg ganagctnaa gancgcttta 120
 aaaaaacaaa a 131

<210> 1268
 <211> 226
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 45, 63, 83, 96, 97, 101, 103, 104, 115, 119, 122, 123, 126,
 134, 157, 164, 198
 <223> n = A,T,C or G

<400> 1268
 aagagcgatc ttgcagagga cctgaattta attccaagga cctgnttttt attcccagca 60
 ttnataccaa ataactgcac cangtccctg tgatgnncca nanntacata tgganggcnt 120
 gnntgnccat ttcnatcacc gttccttcta aataccngag ttentgtcca aggacctgag 180
 tttaattccc agcattcnta ccaaataaat caccaagtac ctgtaa 226

<210> 1269
 <211> 110

- REPLACEMENT COPY -

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 61, 79, 94
<223> n = A,T,C or G

<400> 1269
gccagcctgg cctacattga naaacctcat tttgggaaag tgaaatactt tgtcaattaa 60
natgcacttg gttcaatana gactttttgga aagngtccaa aaataaaaaa 110

<210> 1270
<211> 196
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 27, 29, 43, 44, 53, 63, 86, 97, 100, 115, 127, 134, 141,
173, 179
<223> n = A,T,C or G

<400> 1270
tttgcccca tgcacaccc tcacannng acccactttg ggnngggcaa ggnttccttg 60
ttntgcccga ggaaagcggc gctacnactg caagcanagn tggttacggg ggggnaaaca 120
aagccanttt ttntaaaga nggccaaacc cacaaaaaaa attgtcctca ggnttgggng 180
tggtgacccc actgca 196

<210> 1271
<211> 320
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 17, 36, 47, 63, 66, 73, 94, 95, 103, 109, 135, 136, 156,
157, 160, 219, 252, 274
<223> n = A,T,C or G

<400> 1271
gactacaaaa catganngtc aatccagctt cctgtngcct aagagangag gagtcaatta 60
ttngtngcct ggncataaac tactaattca gacnncacaa aanttatnc agaaagaaga 120
aacaatgtaa ctcanncact gggaggaccg aggtcnnggn gaagagggag gtgggaagag 180
catggcctgg ccacgatttt tgcagagagg agctctccnc accagcttca gccatcacca 240
ccttgctgtg tncctgctca cgttcttcag gtantggctg gctgacactc ttgtcttctg 300
cctgtgggga cgatacttac 320

<210> 1272
<211> 127
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 33, 49, 52, 63, 64, 93, 106
<223> n = A,T,C or G

<400> 1272
tgaataaggc cagagctggc ctacattgan aancctcatt ttgggaaant gnaatacttt 60
gannaatgaa ccccgccccc cggttcttta aanacttttg gaaagngtca aattaaacc 120

- REPLACEMENT COPY -

ttgatca

127

<210> 1273
<211> 188
<212> DNA
<213> Mus musculus

<400> 1273
ggtccacggt tggacgccag actggttgaa gctgacctcc ggctcacaag aaacggggta 60
cacctgggag gcaaaactgg actgaaaaga gaggggaact aggcagtcgg gagaaaaatg 120
gagctaagtc aagattcatg atcaaagctc aaatgtttta taaaagtctg ccatgccaaa 180
aaaaaaaa 188

<210> 1274
<211> 103
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 23, 37, 42, 43
<223> n = A,T,C or G

<400> 1274
ctgaggaaac ctttactgan gtnccattgg gctgagntcg annctgggca ctagggcata 60
attacttctt ggggaactct caaaggctcg acaggaccaa caa 103

<210> 1275
<211> 183
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 93
<223> n = A,T,C or G

<400> 1275
ttggaaagca agcaactgct tgcttgaacg gaggcctaca taaaccccag ggacctagcc 60
ttctccccgg ggtagccat ttcccaagat gtngtaagga ggtcacatgt atagagtctg 120
gcagctttgc aggaagctaa tatccaaatg aaactcagca gccctcctt tcccagcttc 180
acc 183

<210> 1276
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 75, 111, 124, 139, 154, 171, 176, 182, 220, 221, 249, 262,
303, 305, 316, 325, 351, 356, 357, 375, 382, 411, 420
<223> n = A,T,C or G

<400> 1276
gactgagtgg actatgccga ttattaccag ggcctatggg attgccatgg tgaccagccg 60
gatgaactgt ccttncaacg gggtagacct atccgcattc tgagcaagga ntacaacatg 120
tacngctggg gggtaggana gctgaacagc tgttattgga attcggtcca naggantatt 180
tnaccaccga ctttgaaatg gaaggaatat tgaagccan ngaacatatt ctcagacat 240
aagaaactnc cgtcccctac tntggccatg gatccttctc ttccctgaat ggagccaaga 300
ctntnctggt tcctgngact ttaanccact gttaagatga gtaggaagaa nacagnncat 360

- REPLACEMENT COPY -

caatacctgt ttctnaagca ancagcttct aacttcctgc cctctctgtg nccccacatn 420
cataagcctt tcctacaagc ctgctacaaa 450

<210> 1277
<211> 150
<212> DNA
<213> Mus musculus

<400> 1277
gccagcccat ctctgggtag ccccttggag gggttgctga gaaaggtgct ggcccccttga 60
tcccctccct tgctttctgt catcctttct tctcatgtcc acactgctct tcaaataaaa 120
acatttctcc tgctccctta aaaaaaaaaa 150

<210> 1278
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 38
<223> n = A,T,C or G

<400> 1278
gagcgtggat tcttctnaca cccatgtccc gccgcgangt ggaggaccca caaggtttct 60
aatgaagaga ctgtgtgtgt caccgctcat aagagagaaa aagagggagg gaaggagaga 120
gctcttttaa caaaagacaa ggaggcccaa gtaggggcct ggagccgtcc ccggagcctg 180
ctcagcctga agaccctcca gttccccggc tgggcaggca ttccggagag ggtctgccac 240
cgaggcggaa cgggcccggc ctcgcgcttc ccgcggctgg agaagaacta gagacaaagc 300
cgggatccaa ggccttccag cgaggctcca atcagcgccc gcccgaggct cgctcgccgc 360
cgggcgaggc gcgacccctt gcgggctgtg actagggagg ggagcccagg cccggactcg 420
gccttccagc cgccctggct agccctggct agccacgttc ccccggtcgc actcagcct 479

<210> 1279
<211> 177
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 62, 66, 71, 72, 87, 91, 101, 105, 124, 126, 127, 138,
144, 153
<223> n = A,T,C or G

<400> 1279
tggggggacc gtggcttctt ctacacaccc tgtccccgcc gcgaatggag gaccacacaag 60
ancatnaggc nnatggggtt tccatcttcc naagaccac ncgtncaagt aagtcaccag 120
tgantnngag ttccaagnag gctnttttgg ctngtaaaac cccaaagaag actacct 177

<210> 1280
<211> 285
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 247, 263
<223> n = A,T,C or G

<400> 1280
gtgggggagcg tggattcttc tacacaccca tgtccccgcc cgaagtggag gaccacacaag 60

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attttctacc ttgcctcact cctctacacc gtcagctaca tctgggtgtct gtactcggag 120
ctgaggagga agagcggcca gagtgagagg agcacgggtg cccagggtgac agattatgtt 180
tgccaagggtg gtcacatatt gttccttttg ccaagtgaga cccccaaagg ggtgatgacg 240
cctgtgntcc ttttgggcaa tgncaatgaa tgtttccaca acttc 285

```

<210> 1281
 <211> 350
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 187
 <223> n = A,T,C or G

```

<400> 1281
agcgtggatt cttctcacac ccatgtcccg ccgcgagtgagg aggacccaca agatttatca 60
agaaaaaaga acggagatat ccctgtcagt gtcaatgaag atcctccaaa agattgattg 120
gagagtcaat gatccaagaa gacttagagg aggagtttca agacaaccca ctgtggactg 180
gcctccntgg ctttctgcct tacctacttc ccctccttga tcccttcctc tttctcctcc 240
ctctcatggt gggcaagatc acacaatcct tccaacagcg tctagaggac cagctctcag 300
agtagcagaa gatattatgc aagctgccaa gtgagaacca caaaggagac 350

```

<210> 1282
 <211> 156
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 63, 65, 70, 81, 87, 96, 98, 122, 133
 <223> n = A,T,C or G

```

<400> 1282
gggggagccgt ggattcttct acacacccat gtcccgcgcg gaagtggagg acccacaagc 60
cgnntcatn tccaccgatg ngtttancta ctctgnanac cttcttgcaa caggagacat 120
anggtggcgg agntgttatt ttccagcggg aacaca 156

```

<210> 1283
 <211> 266
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 49, 53, 92, 121, 122, 157, 167, 171, 193, 215, 240, 241, 244
 <223> n = A,T,C or G

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<400> 1283
tgtcccgcgc cgaagtggag gacccacaag gtaagcctct gctcctgant tanttctatc 60
ccaagtgaga accacaaagg ctcgagacca tnagcggcct cttgcatata ctttccagtg 120
nntttgtcag agagatccga cagagcccta gctcctncag aggtggncca naaagcgagt 180
gacgagagcc cancagacat ggtaaaaatg accangtcca aaactttcca agcttatctn 240
ngcncactgt caccgaact tacagc 266

```

<210> 1284
 <211> 184
 <212> DNA
 <213> Mus musculus

<220>

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<221> misc_feature
 <222> 93, 94, 95, 96, 99, 100, 101, 102, 103, 112, 128, 134, 136,
 145, 158
 <223> n = A,T,C or G

<400> 1284
 ggggagcgtg gattctttct acacacccat gtcccgcgc gaagtggagg acccacaagt 60
 tccaaagagg tgcttgagct cgagtcctca aannnnnggn nnnctggcag cntttgcggt 120
 atatttgnaa acananaccc tggtnaccc agaggctntt acagagattc ttggcattga 180
 acca 184

<210> 1285
 <211> 121
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 76
 <223> n = A,T,C or G

<400> 1285
 gtggattctt ctcacaccca tgtcccgcgc cgaagtggag gaccacaag cgattgagaa 60
 gattgtctac caaatntaga acagactaga tttatcccac agccactgga gaaaaaaaaa 120
 a 121

<210> 1286
 <211> 102
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 78
 <223> n = A,T,C or G

<400> 1286
 ggggagcgtg gattcttcta cacacccatg tcccgcgcgc aagtggagga cccacaagtg 60
 gcttgagctc gagtcctnac accggagcca aaaagaagaa aa 102

<210> 1287
 <211> 228
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 108, 126, 130, 131, 144, 146
 <223> n = A,T,C or G

<400> 1287
 gtggggagcg tggattcttc tacacaccca tgtcccgcgc cgagtggagg acccacaaga 60
 atcattaagg aaatagaatc tgccaaaatc aaatatatgt tctatttnct actaacagga 120
 ggcccnaccn ngaggaggga gacngncaga ggattattct gatccagaat cgagacagta 180
 atccagagggc ccaacctccc caagtggagaa ccacaaaggg agtaccac 228

<210> 1288
 <211> 214
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

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<400> 1288
gagcgtggat tcttctcaca cccatgtccc gccgcgagtg gaggacccac aaggtggggt 60
ctttcagcag gcgcctcgga aatttcatct gatagtcgga catgatggct acgccttcaa 120
ccccagccta gcccggtgta cagcgcaagt tccaggatgg cagagggcta ggcagagaag 180
ccctgttttg aaaaaccaa gaagaaaagg aaaa 214

<210> 1289
<211> 281
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 197
<223> n = A,T,C or G

<400> 1289
agcgtggatt cttctcacac ccatgtcccc ccgcgaagtg gaggacccac aagctatata 60
gatttccatt gcgaagcttg agctcgagtc ctcaaacctg cgcctccgat tgacgaaatg 120
cttcctcacc accgtcatca tcggcgaagt taaggggtgaa gactcatctt tagtaataag 180
gcatgactgt aattccngca ccctctggcc attattaatt atgattcatt gcatgaaaga 240
gaaaataaag atctacatac gctcaaagca caaaaaaaaa a 281

<210> 1290
<211> 336
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 65, 71, 74, 84, 85, 87, 92, 102, 112, 127, 142, 143, 148,
154, 165, 190, 206, 208, 210, 215, 222, 227, 228, 229, 236,
250
<223> n = A,T,C or G

<400> 1290
gagcgtggat tcttctcaca cccatgtccc gccgcgaagt ggaggaccca ctagaggcaa 60
ggacntgaag ngngngcctc ttcnntntag tncattctga anaagaagct gnccttcctt 120
tcaggangaa aggacagacg cnngtggnct catnttgaca attgncaggt gtgccttgag 180
catgacacan tatggatgag ctgagngncn ctttngatta tntactnnnc attccnagtg 240
agaccacacn taggaattcc gctgtgcctt gagcagacaa gtatggatga gctgagtgtc 300
actttggatt atctactcag cattccaagt gagacc 336

<210> 1291
<211> 310
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 56, 64, 65, 66, 70, 71, 77, 78, 82, 84, 87, 95, 102, 103
<223> n = A,T,C or G

<400> 1291
ttgtggggag cgtggattct tctacacacc catgtcccgc cgcggaagtgg aggacncaca 60
aggnnngctn ngctcanntg tnanccntat cctgngggcat gnncaacaca gagtttctaa 120
cctggatcat gatatggaga tcattttaag gttcctttac ttctttttgtg tgaatcggtg 180
tcctacggaa gatcagccat tgctccagcc ccactgcctt ctttcttaaa gacactgagc 240
ggatccacct gtcctggatg tctagttctg tgagaataaa attgttccca ttcaaacc 300
aaaaaaaaa 310

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- REPLACEMENT COPY -

<210> 1292

<211> 394

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 64, 125, 181, 187, 340, 341, 343, 347, 357, 365

<223> n = A,T,C or G

<400> 1292

```

ttgtggggag cgtggattct tctacacacc catgtcccgc cgccaagtgg aggacccaca 60
aggatgtgg atgctgtgag ctcgagacct catttgggag tatttgtgtc cttcaaacca 120
gaagntctcc tctttgtctg gctatcggaa acactgggta tgtggatgct tgagctcgag 180
ncctcanaga ataacatgct ggagttgggt ctctccacat gggcccagg attggctatc 240
agcctttgtg gcaggtgttt ttatccacga agccaacttt ccccatctt tcttaatgtg 300
gatgtttaaa gctatgtatt tccacttact ttggctatgn ngnattacca ttctttnttt 360
tcttntcttc tttcttcctt ccttttagttt cttt 394

```

<210> 1293

<211> 112

<212> DNA

<213> Mus musculus

<400> 1293

```

ggacggaccc acaaggtata aggcagtatg gcttatcttc tttgtgctgg gcctggggac 60
actgctcccc tggaattttt ttatgaccgc aaccaagtga gaaccacaaa gg 112

```

<210> 1294

<211> 191

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 46, 48, 59, 65, 67, 95, 98, 102, 131, 134, 138, 149, 151, 167, 174

<223> n = A,T,C or G

<400> 1294

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tacacaccct gtcccgcgc gangtggagg acccacaagg gacttntnga accatgccna 60
agcncncag tgaagcagg actgccttca ttcancancc anctagcctc catgcagcca 120
tggatgacac nttnatgnga acacatgtng nctgcctagg ccatctnact ctgncccat 180
catgggccga a 191

```

<210> 1295

<211> 377

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 39

<223> n = A,T,C or G

<400> 1295

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gagcgtggat tcttctncac acccatgtcc cgccgcgang tggaggaccc acaaggcccc 60
agatccaact acaagcaagg acatccactt cttctgaggt tgtcttggtt cctgggcctt 120
cttatagcct gcagaaggac cctcccagtc tcctggggcag ccaagtaaac agaagtggga 180
ccgcttctga catggcttcc ccgtgttctg gggacctcag cccacttgt ctggccccgc 240
cccctgtcac cactccagga ccggctgcgc ccaccgcacc gcgcttcccc gacatctacg 300

```

- REPLACEMENT COPY -

gcggcgacgc gcagcttttg gaggcgcatt tccgcggcat cgggcgcgcc taccgcgctt 360
gagctcgagg tccttaa 377

<210> 1296
<211> 361
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 121, 124, 145, 146, 148, 150, 151, 163, 167, 172, 180, 181,
185, 186, 188, 190, 196, 214, 219, 221, 225, 226, 228, 232,
237, 242, 246, 248, 261, 270, 275, 292, 295, 305
<223> n = A,T,C or G

<400> 1296
cgtggattct tctcacaccc catgtcccgc cgcgaagtgg aggacccaca aggattccag 60
gatgccttcc cagaacagaa cccagacatg tgagccgctg gccggacaca acagaactgg 120
ngantgtata tactttgagg catannngnan ntactactct gcngtgnagg anacaactcn 180
ngctnngntn gcaggntgca ccaacgttgg ctcntgggnt ntcannnttt gnaggcnttt 240
cnttangnac atgggtgttg nctccttggg taganatggg atagcctcta tntcntcgac 300
tagtnttcca atacaatgct ttcttctact ccaccaaata aattccattt ttgccagaaa 360
a 361

<210> 1297
<211> 223
<212> DNA
<213> Mus musculus

<400> 1297
gtctgggtga ggatttttta ccccttacct atccccttct actttttaact ctttgagaaa 60
cggtggcagt gactgcatat gggtgtactt ctatcaagaa gcctggagaa gctgggtcaat 120
agaagagtat gggagccata ccatcggggc tgttgctgac agtggaaact gaaagaaaat 180
gtctattgat taaaatgaca ccatttcttc taaaaaaga aaa 223

<210> 1298
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 82, 131, 132, 134, 138, 142, 143, 144, 148, 150, 151, 166,
212, 214, 225, 243, 258, 266, 311, 381, 398, 416, 419
<223> n = A,T,C or G

<400> 1298
actgagggag gggagcatgt gtgtgccatg gcacaaaagc agaggccatc ttgcaggagt 60
caggtctctc tttccatcag gngggaccca aggagtcatg acatcagcct tggagagtgc 120
tgcccgtggg nnantgtnag tnnncctngn ngctttgagc ctttgncttc ccacctgtgg 180
catgggaaca acaacatgag tacagacaca gntnaggaga gaganagaga gagccagtat 240
cancttcttg tttggaancc tgagancctc tttctgagtc actttgtttc tgcccccaac 300
ctttgctttg ntatgggtcc tgccttctcc accagaggca ggaagagctg gcatggagct 360
gctgggcaac acgggccctg nttccccacg tttagtngnc ggacagaact atgttncanc 420
ctgggctggg gagtaaagct ctggtctgca ga 452

<210> 1299
<211> 382
<212> DNA
<213> Mus musculus

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<220>
 <221> misc_feature
 <222> 73, 301, 325, 329, 365
 <223> n = A,T,C or G

<400> 1299
 tgagactcag gctgggtgcta tgaggatcaa accaagggtc ctagaagcag ttgcttgggg 60
 cctgagaagt ggnctggagc ctgtaaggag aatcagcagt ccccatcaa cattgtcact 120
 gctaggacaa aggtgaaccc cagactgaca cccttcatcc tcgtcggcta tgaccaaag 180
 caacagtggc caattaagaa caatcaacac acagtggaga tgacgctggg gggagggtgtg 240
 tgcattatcg gaggagacct gcccgcccg tacgaggctg tacagttgca cctgcactgg 300
 ncaaattggga atgacaacgg ttcanagcnc agtattgatg ggagacactt tgccatggag 360
 atgcncatcg tgcacaagaa gt 382

<210> 1300
 <211> 375
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 331, 355
 <223> n = A,T,C or G

<400> 1300
 agtttgaagg aactgagtgc agcgggaacac acctgtaata cttcaggaaa ctgaaacagg 60
 aggattgcta tgaattccag agtgggaatt accatatggc aagtagtaag ccagccagag 120
 tcatagaggg aagccctgat ttaaccatgt taaggataac aaaatctggc ctgttggtgt 180
 gctaggatcc taggccaggg aggtgtaaag gccctgattg ctctggagga agctggctgc 240
 gtgctgggag ggaaagggtca tggttcatgg actcatgctg gcaaagtgag aggtcaaact 300
 tccaaagtag ccaaaaaagg aggaggaaga ngaggaggaa tagaagaacg aggangcgga 360
 agaagaggag gaata 375

<210> 1301
 <211> 125
 <212> DNA
 <213> Mus musculus

<400> 1301
 cgctcactgg gggcccatcc tgctgttctt ttgacaatct cctggaagtg ggtcccatct 60
 gtaagtatct aattcactct tctttttgaa aagtattctt gacatggagt ggaaaacaaa 120
 acaaa 125

<210> 1302
 <211> 315
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 26, 127, 139, 179, 191
 <223> n = A,T,C or G

<400> 1302
 actgaggctt tctatcacag gntgancttc atttttttcc ttttcctttt tgtgattgag 60
 ctagcccagg atgtgattga gctagccctg gatgtgattg agctagccca ggatgagctt 120
 cccacantac acagagtant ggtggctcag tggaggactt cttgcttttc cagtgtggnt 180
 ggagaaatgc ncatttgaac tggatgttgc ctccgtcctt ggtttaggca ttactccttc 240
 atggagtccc tgtctcaatc tgtaccagtg aacaaatgta aaccatgaat ttgtctttct 300
 ttaaaaaata aaata 315

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<210> 1303
 <211> 241
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 138
 <223> n = A,T,C or G

<400> 1303
 actgagagtt tggattcgag tggtttttct gacatacctg aacacttgga gaggaacctg 60
 gtacagagga actctactat aaggatgagc cccacagatc cactgtaagc ctgacatatt 120
 aattgtgatg accttacnag aaaagtgata ttttaataata aacagcaaca gaatttaata 180
 atggatagag tatcccccaa aacgtctgtc atgcataatt aaaagcacat acttatgctt 240
 a 241

<210> 1304
 <211> 448
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 58, 70, 81, 103, 406, 409, 421
 <223> n = A,T,C or G

<400> 1304
 ggctagtgtt gccttttcgga ttcattctgag aaaaggcctg ttgctgaggg tgacatgnng 60
 tgactatacn agactcaatg ncggtgtact gagagcaagt gantgtgggt gctcaggcct 120
 gagtgggaca tccacatcaa cacctgcca ggcccaggga gcttcacgga agaggactcg 180
 gagagaagat gagaacaagg cgatgagggg aagtgtctgc gaacaccgtt tcccaggcag 240
 aacatggcca ctgcactcct aatcgctcag caactgagat gacttgagtg agacctgcag 300
 aagactgggc ccgtcagcat cccatcatgg atgggtaagg gatcataagg acccgcttcc 360
 ctgaagctta cagttggtac ttgctgggat tgggggtggc ttttangnt tttaaaaggc 420
 nacaccattt cccagtgtgc atgtgttc 448

<210> 1305
 <211> 280
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 67, 103, 109, 150, 151, 194
 <223> n = A,T,C or G

<400> 1305
 atcccacgaa tgggtanactc ctgcaagcca gtgggtcaaa ctgaccttga actgcgagct 60
 gacagtnggg cccgccggtg tttgcttccg catttcaagg tgnccctggnt gttgcggctg 120
 gagacgtgtt caaagagggtc atagatgaan ncgaacctgt gtgaagggag cacagactgt 180
 gaggtgtgta cacngtgacc gtcaggtacc tgctactgta attacagtgt agttctacaa 240
 tgataattaa aataatacac gggggccctga aaaaaaaaaa 280

<210> 1306
 <211> 116
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

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<222> 22, 37, 99

<223> n = A,T,C or G

<400> 1306

gactgagaaa cacctgtttt gngctgagtt attttgngga aaattatagt ttttgctttt 60
gtgaagttgg cattttcacc ttgcccctaa taaaattgng tgtagaaata aaaaaa 116

<210> 1307

<211> 155

<212> DNA

<213> Mus musculus

<400> 1307

accaggaaga gaatctactg aaactacagc ttgctaagtt gtcttaacaa aagatagaag 60
ctcaacttga caagattcgt ctggatccca ggaaaaacat ggatccatga cttcttcaaa 120
tacagattcc tggttttctc tgtcggaaaa aaaaa 155

<210> 1308

<211> 158

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 45, 59, 66, 71, 77, 81, 124, 126, 138, 141

<223> n = A,T,C or G

<400> 1308

ctagggggca agaaatacga aagggcggct gtggacatgt tcacnaaata gggctcttnt 60
atcgantcca ntcttcnctg ncagcagctt agtccacttg gcaaaacacc aaatcaagta 120
gcantngact tgatctanaa naaactgcaa ggctccccg 158

<210> 1309

<211> 336

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 247, 256, 259, 262, 264, 272, 277, 279, 295, 299, 311,
312

<223> n = A,T,C or G

<400> 1309

atcgaggcc ctctgctgnc atcttctccc agggagtacc agaaacatat taaaagaaca 60
catgccaaac atcacactcc agaagccgat tgaaagttac taccagaggt acctgaatgg 120
ccgtggggaa aaacggagca gccccgtgc tcttgagct ggccaatgag gtggactatg 180
caccctcatt aatggctcgg attatcctgg agagatttct acaggggcat gaacagactc 240
caccctnact ggctanttnc tncnctcagg tnccttantng ttttctataa catgnatgnt 300
tgttaccttg nnccagaata agaataagatt agagca 336

<210> 1310

<211> 240

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 218

<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 1310
gactgagata aggaggtcgg ccagttcctc ctgccttcgg gaagatgtag gcattgcatt 60
gggaagcatt gtttgagaga tgtgctagtg aaccagagag ttgggatgtc aagctgtata 120
atgtttcttc aaaaaaagtt ctaacaaagg gatctttaac ttttttttct tccttctact 180
tttccttgta ggctatcagc ctttgtataa tgaaatgnga gctttgctta aaaaaaaaaa 240

<210> 1311
<211> 298
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 47, 93, 135, 159, 190, 191, 218, 229, 235, 236, 240, 249,
256, 272
<223> n = A,T,C or G

<400> 1311
gacactcaag gcaccagctc tcctcaaata tatagaagaa taaaagncaa ggaacaaggc 60
acagcattgc attccagagt agaaccccag tnggcaacca ttgacaccaa cacactgggc 120
tgggacactg gcttntgtga tcttgacagc gggagttgnc ttgcatgtg aatgagctgg 180
ccaccattgn ngtaacgatg tgaaacagac gtgaaacngg ggaattctng aaccnnttan 240
tgtcttctng caacanaaaa ttctgggtga gncacgttga ccattttaaa aataataa 298

<210> 1312
<211> 119
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 23, 30, 33, 73, 90, 95, 103
<223> n = A,T,C or G

<400> 1312
cgggcccagc ctgacgtntg tcntcttcan gtnggcaccg gcctcccag ggagcggggc 60
gggcagaggc tgncccatgg aaccgtctgn aaaancaacc ctnttacctt cccggggag 119

<210> 1313
<211> 182
<212> DNA
<213> Mus musculus

<400> 1313
tgagagatac tagatggcaa cttggggaag tattgcttgc ttagcaagag cttagggata 60
attcctgtta acagtaaaac tcatggccca ccagctacaa agtgtctttg ccatgaaaca 120
gaggacatga taaactgttt accttaatga aattcaagtt gcattgtgaa ttctgccaga 180
ta 182

<210> 1314
<211> 287
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 38, 40, 56, 73, 82, 90, 92, 151, 154, 197
<223> n = A,T,C or G

<400> 1314

- REPLACEMENT COPY -

```

aatgttctcc catcggaata cctgaagcag aagaactntn ccattttcct tgggtntgga 60
ctaacagaaa atnaaaatgt cnctaggtgn gnaaggatgg ctcagaagca aaggacattt 120
gttgctcctc cagaagactg gagtatgcct nctntcacac acatttgggc agcccatgat 180
gcctctaagt ccagctncag gagatctgat gctctcttag ccttcttggg caccatgtg 240
cacgtggcat gtgcacacac aaggaaataa ataaatagga taaataa 287

```

```

<210> 1315
<211> 101
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 26, 33, 40, 42, 43, 49
<223> n = A,T,C or G

```

```

<400> 1315
ggggatccaa cgccctattt tggctngctc tngncactgn anntagagna cagaatacat 60
gcatgcaaaa caccataca caaaatataa ataaaataaa a 101

```

```

<210> 1316
<211> 214
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 169, 172
<223> n = A,T,C or G

```

```

<400> 1316
aactgaggt ctgctgaatg ctgtggactc ggatgctgta tcaggcctgg gtgttattgg 60
ccatatcatt gaaaaagaca agatcactac caggacgctg aaggcccaga tggactaacc 120
tatgctctgg atggactaac ctgtgctctg gtcccgtctc cctttttgnt gnttttcttt 180
ttaataaaat cacctttctt tcaaaaaaga aaaa 214

```

```

<210> 1317
<211> 328
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 29, 30, 146, 180, 187, 235, 240, 242, 248, 267, 282, 287,
288
<223> n = A,T,C or G

```

```

<400> 1317
agcctgagcc agatacctga tgaatactnn aggtagaagc atttctacac tgactcaact 60
cagctataaa cctctgcaag gaaggaattc taaccatag atgctggtat cacctgcacc 120
aaggcaaagg aagaaggatg cttcantctc cagacagcct gatccaactc cagatgtcan 180
gatagancaa gtggctgggg accctggggg cacagtctta gggatatgat cctgngcaan 240
antcttgngt tttgagatgg agttagncca aagggaagag cntaaannaa ctcagatcca 300
cactgatctg cctgacacaa ccccgaaa 328

```

```

<210> 1318
<211> 325
<212> DNA
<213> Mus musculus

```

```

<220>

```

- REPLACEMENT COPY -

<221> misc_feature
 <222> 40, 41, 42, 46, 47, 66, 68, 69, 71, 74, 76, 81, 82, 105,
 107, 116, 117, 118, 123, 142, 144, 154, 156, 180, 186, 195
 <223> n = A,T,C or G

<400> 1318
 agacctgggc agagccataa ttacttcttg tggaactctn nnaggngnga caggaaaaag 60
 ggtatngnnc ngtnngcaa nnacacaccc ggggactggg ttcentncca tatccnnncc 120
 agnatagaat tatcacaata cntngcattt ttcnantggt tggcttaggc ccaataaaan 180
 aggganaaga gatcntgcaa aacaaagagg atgaaagcaa ggctgacaaa ctcagaagaa 240
 cagcgttgac ctgcgagggt tgagtaagaa aagaattctc tgctgcccac cactgtcaca 300
 ggcaggacag aagtgaactg aggaa 325

<210> 1319
 <211> 227
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 153, 203
 <223> n = A,T,C or G

<400> 1319
 tgtctggtgc ctgaccttta taggaagaga agtcatttat attcaggagt tctgcagaga 60
 tacatgtcct ccaaagcacc ttctttgtct tgtcataata aggacagtgc atccccctct 120
 gagcagctag aattggatgg gtggaaagct acnatgaagt cgagcattca agaagatggt 180
 gtttcagagg tctcagacaa agntgaagat tcccttcgcc tcggcca 227

<210> 1320
 <211> 465
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 38, 65, 70, 83, 157, 189, 269, 276, 280, 287, 296, 324,
 331, 333, 343, 352, 364, 367, 371, 423, 432, 443
 <223> n = A,T,C or G

<400> 1320
 ggcattcctat cactttacag cntaagatgc tccgagcnca gcctgaaatc ttggaatgac 60
 agccngtcan acctctgtag cancagacca ggaggaggaa gaggagatgg tcttcggtga 120
 aaatgaggac ggactggaag agatgatgga cctaagngac cttgcccacc tctactcttg 180
 cttgcagtng tccatgaagc agtgtttgag gtccaagagc aaaaggagag gtttgaggcc 240
 ctgttcaccc tctacgatga ccaggtcana ttccanttgn tcaaganctt tcgcanagtg 300
 aggatcaact tcagcaagcc cgangccgcg ncnagagccg cgnatagagc tncatgagag 360
 tganttnac ngccggaagc tgaagcttta cttcgcacag gtgcagggtg ccggggaggc 420
 ccnggacaag tntactttac tgncaccaca gcccaccaag cagtt 465

<210> 1321
 <211> 489
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16
 <223> n = A,T,C or G

<400> 1321

- REPLACEMENT COPY -

```

gactgagatc gctttnacga gagaagactg atgaagaccc cgaggtgcat caacccgaga 60
cctggacaga gggcctggcc ccaggtggac gcgaaggcgg cttccgtctc cctctgagtg 120
catctgtgga cttgggttgca ggctcacctt taagatattt gtgtgactcc caacttctct 180
tccgtatctt agcagtttga gggtcacgag gcagcaagga tcagtaggaa gcacaggtat 240
taacaagttg gccaaagtgc acgtcccacc tctgggatgt cgttttagtgc ctggtgtcat 300
ggtcgcagtt actctttcat gtataaagca gggatgctgt atctacctca cacggttact 360
aaaagcaaac acggaatcca aagccctggg cacatgccga catctgaaaa gctggtgttt 420
ctcccacctc cctccgagtg catgctgtac gcagctcttg cttttatccc tggggaaagg 480
ctgaggtca 489

```

```

<210> 1322
<211> 169
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 19, 35, 49, 52, 56, 58, 59, 68, 73, 77, 85, 102, 112, 114,
115, 139
<223> n = A,T,C or G

```

```

<400> 1322
aaccagcaac ctaccctgnc tcttgggacc ctagnattta tataccctnt gnagantnnc 60
cagaattnca gangtcncac tatncagaa actatactca gntggcaata anannataacc 120
cctgctagag cattgaggna aatcatagtc agctgctgag gacagactg 169

```

```

<210> 1323
<211> 269
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 28, 76, 93, 223
<223> n = A,T,C or G

```

```

<400> 1323
tgaggctcag attcccaacc aacaaggnet caagggagga ccaccatgtg ccgagccatc 60
tctcttaagc gcttgntgct gctgctgctg canctgtcac aactcctagc tgtcactcaa 120
gggaagacgc tgggtgctggg gaaggaaggg gaatcagcag aactgccctg cgagagttcc 180
cagaagaaga tcacagtctt cacctggaag ttctctgacc agnggaagat tctggggcag 240
catggcaaag gtgtattaat tagaggagg 269

```

```

<210> 1324
<211> 566
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 20, 25, 31, 46, 61, 62, 68, 79, 86, 88, 103, 128, 129, 153,
163, 177, 194, 214, 215, 236, 246, 252, 253, 279, 328, 373,
395, 418, 449, 475
<223> n = A,T,C or G

```

```

<400> 1324
tccacgctga gcccatggtn cacgntcaga ngaggtggag tatgcntaag gcctgcagat 60
nnagggcnca ctactgcanc ttaagnncnc atgcctgcaa agnaagctgt acccgttgga 120
gccatcanna cctaattctga agcgagggag ttngacgttc tcntaagcaa gggctgnctc 180
catggcctec tcanggtatt ctgtaccag tggnncagtg agctccatca cggtantgag 240
atgcangatg cnnaaagagc cttctctacc tggcttatnt ccatttatcc tgcacatgcc 300

```

- REPLACEMENT COPY -

```

cgagatgcc aatcatacagc atgatacnag gtcagctgac tgtggaaggg aggagtcatt 360
catgagccag ganaacaaag tgcacttgaa gctgngaact ctacagagtc agtcagtnaa 420
catcccatgc ttggctccca cgctcccgna gactgctatg ggtcaacggc ctcangtgct 480
cccaaaaacg ggcaatccga tccaacgatt gcttttactt tgacagctgg tgcctgtcag 540
cttatttata cttcgagaat atactg                                     566

```

<210> 1325
 <211> 193
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 63, 65, 93, 97, 101, 102, 107, 108, 117, 119, 121, 122
 <223> n = A,T,C or G

```

<400> 1325
gtggggagcg tggattcttc tacacacca tgtcccgcgc cgaagtggag gacacacaag 60
gtngntaccc aagttgtgct cactaccatg agnttcnatt nngcccngg agaaccngnt 120
nngatacaca gttaaataca cagttgcaag cagaccaaga gcatcaggat gcccaagtga 180
gaccacaaa ggg                                     193

```

<210> 1326
 <211> 386
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 60, 64, 70, 71, 77, 79, 183, 200, 206, 208, 210, 219, 228,
 233, 236, 248, 257, 258, 259, 359
 <223> n = A,T,C or G

```

<400> 1326
ggggagcgtg gattcttcta cacacccatg tcccgcgcgc aagtggagga cccacaagg 60
cacnatactn nctgcgngnc gtctgaaaaa cgagtgggtg gaaagccatc cagaggcttc 120
cattagttag atttttgagc agaaacaaca attggaagat atcgtctccc ccatacctagc 180
acnaaatgtc tacaccacgn catttngntn cctcataang agaccttnca ctnatnaaca 240
ggccaagnga gaagcannna ggttttacag atgccacatg gtgtagaagg ctacattaca 300
tttcagttatt aaatacgaca aacctgttcc tcgttctctg caagttcaag aaatagatnc 360
aggcttttgt caaacagccg aaaaaa                                     386

```

<210> 1327
 <211> 245
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 56, 70, 76, 84, 102, 121, 122, 135, 144, 146, 153, 163, 166,
 196, 212
 <223> n = A,T,C or G

```

<400> 1327
gagccgtgga ttctttctcac acccatgtcc cgccgcgaag tggaggaccc acaagnctgg 60
gaatgagatn cagggnctta tacntactag cacaaatgct gnactacgga accacacttc 120
nnaccctgtt ggttntggag aatntnctga atntttttct ganatntact gaaggtcacc 180
agctttggag aatccnagga atgttcccc ttagaggaag aatgctgttg gtcagtgaag 240
aacga                                     245

```

<210> 1328

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<211> 499
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 44, 133
 <223> n = A,T,C or G

<400> 1328
 gtgggggagcg tggattcttc tacacaccca tgtcccgccg cgangtggag gaccacaag 60
 aaccagcag tgatgtggag gtggagactc acgggagccc cggacttcac ctgagctacc 120
 tcagtcgcca agngagaacc acaaaggaag aagaccctga cttggggggg accaggatgc 180
 ctgaccggga cagctatgcc aacggcactg gcagcagcgg tggaggccct ggaggtggtg 240
 gcagtgagga ggccagtggg gcagggacag gcagcggggg agccacctca gatgccatct 300
 gtagagactt cctgaggaac gtctgcaaac gaggcaagcg atgtcgatac cgccaccag 360
 acatgagtga ggtatccaat ttgggggtaa gcaaaaatga atttatcttc tgccatgact 420
 tccaaaacaa ggagtgtagc cgccccaact gtcgtttcat tccacggctc caaggaggat 480
 gaggatggct ataagaatg 499

<210> 1329
 <211> 140
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 69, 71, 74, 75, 76, 80, 82, 86, 94, 96, 103, 108
 <223> n = A,T,C or G

<400> 1329
 ggggggagcg tggattcttc tacacaccca tgtcccgccg cgaggggagg acccacaagg 60
 actctcagng ntcnnntctn tntctnttca ccangnagat gcnggacnga ttccactctc 120
 ccaagtgaga accacaaagg 140

<210> 1330
 <211> 262
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 61, 86, 102, 126, 150, 154, 159, 160, 162, 166, 170, 175,
 187, 188, 196, 202, 211, 241
 <223> n = A,T,C or G

<400> 1330
 gtgggggagcg tggattcttc tacacaccca tgtcccgccg cgaagtggag gaccacaag 60
 ngctgcttta tcacctcact gcttangctc tgctctcaag cnaagccaag tgcaaactct 120
 ccaagnaga accacaaagg cggccttggn catnatagnn tngacnagn tctgntccct 180
 ctaccanntg aaaaantact gnctcttgac ncaccactac ccagcctacc cctgctgcgg 240
 nggagtctaa acctttaaat ga 262

<210> 1331
 <211> 341
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 57, 60, 62, 64, 65, 67, 70, 75, 78, 79, 83, 103, 104, 105,

- REPLACEMENT COPY -

122, 152, 173, 174, 183, 186, 190, 193, 217, 228, 234, 251,
255, 262, 265, 266, 281, 308, 309
<223> n = A,T,C or G

<400> 1331
agcgtggatt cttctcacac ccatgtcccg ccgcgaagtg gaggaccac aaggctnttn 60
ancnnanctn tgaanaannt tgntatgctt aaagaaatgg acnnngatct taactcagta 120
gncattgctg tgaagctgca gggatatcaa anggattctt cgctccgatg agnncatcct 180
ttnagncagn ggnctgggtg agacagagct ccagtttact cttctccntc cagnaccctt 240
atttccttat ncganatgcc ancannactg caaattatgt ngcacaggag gaagcggtac 300
aagaaccnna actatcttgg gctataaaaac cttagctgag g 341

<210> 1332
<211> 179
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 54, 67, 98
<223> n = A,T,C or G

<400> 1332
gaggggagcg tggattcttc tacacaccca tgtcccgccg cgaggtggag gacncacaag 60
gtagccnttg aaacattggc ttgagctcga gtcctcanac tactatgagg attaaattaa 120
ccaatatatg aaggtacttt ctacaataaa atgctcatta caaatgttaa aaaaaaaaaa 179

<210> 1333
<211> 109
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 32, 79, 91
<223> n = A,T,C or G

<400> 1333
agcagcgtgg ctaagttnta cacacccatg tncccgccgt gaagtggagg acccacaagt 60
ggttcaactg gagctaaanc cgaggcccgg ntagcaggta gacctttag 109

<210> 1334
<211> 236
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 74, 80, 103, 110, 111, 145, 146, 155, 168, 183, 202, 205
<223> n = A,T,C or G

<400> 1334
ggggagcgtg gattcttcta cacacccatg tcccgccgcg aagtggagga cccacaagga 60
ttgaaaagac aaantcagan ggattgaggt tgctgaggag acnaatattn nagacctagg 120
atcaatcacc aggaacagaa gtggnnatac atgtncactc atacacanca catgcactat 180
aanataatga gttaactaga cngcntcata aaaatcaatt aaccaattct acctct 236

<210> 1335
<211> 246
<212> DNA
<213> Mus musculus

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<220>
 <221> misc_feature
 <222> 25, 33, 39, 41, 59, 61, 63, 64, 69, 74, 78, 82, 92, 112,
 128, 167, 174, 191
 <223> n = A,T,C or G

<400> 1335
 ccatctagca catgggggct cacanccatc tgnaatgana nctgacacac tcttgtggng 60
 ngntgaana cagntacnct gnacttattt gnaatcataa ataaatccta gngccggccg 120
 gagctagngg agtgtaccag agcgagcaaa agtcctaaat tcaattacca gcangctgat 180
 gaagcttcgg nacagctaca gtatgtactc atctacataa aataaatgat taaattctta 240
 aaataa 246

<210> 1336
 <211> 429
 <212> DNA
 <213> Mus musculus

<400> 1336
 tgagggtgaa aacctaaaac ggatgaccca ccaattggcc tgggtccact gtgttgcgga 60
 agatggagga ggggagctgc agagattcgg ggtttatttg tataccctca tcctcctgcg 120
 ataccaagcc agccagaggt ggcgtccctg actgctctgc ggtcctgggc agggcaggaa 180
 gctggcgcg ggcggactg ggcaggcacc acttggccta gcccgtgtt cgctggaact 240
 cgcaagcac catcactctg agttgagttc ccgagactcc ggcctgggtca ccctgagctg 300
 ttttcctccc acatcgtcag ttggcctctc tcgcaagtct cctgatctcc cgccatctgc 360
 ttttcctctc cttgaccgat ctctggaact tcgaaataca ttcaaccgcc ttttctgaga 420
 aaaaaaaaaa 429

<210> 1337
 <211> 142
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 49, 50, 51, 53, 57, 60, 65, 68, 72, 74, 75, 77, 85, 106
 <223> n = A,T,C or G

<400> 1337
 actgaatgga gtgtttgaat tgcgctttgc gactctgaag gctgaaggnn ncnggcngan 60
 acggnagnca tngnntnccg tcatncctgg acatgcttta ttattntcaa ggccatggat 120
 ttactactga aactttttct tg 142

<210> 1338
 <211> 416
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 93
 <223> n = A,T,C or G

<400> 1338
 tgagggtggg tctttcaatt agcatctcct ggcgcctcgc ctgcgcaccc cggaccctcg 60
 ctccgcgcgc ggaccccccg agcagcacc tanagccgga agacgaggac gatgaggaag 120
 atgaggacac catgacgagg ctgggtcccg atgacacgct gcagggccag gagctgtcca 180
 cagagcccga cgggcccctt agtgtcaatg tcttcacgtc agcagaggag ctagagcggg 240
 cacagcggct ggaggagcgt gaacgaatcc tgcgggagat ctggcgcact gggcagccag 300
 acctgctggg cagtggcacg ctcgggcccc gagccacggc cacgctggga cgaatgcact 360
 attactgaca cccggccccct tagcgtgggg ccagagtact ggatatggga ctgcct 416

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<210> 1339
 <211> 245
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 81
 <223> n = A,T,C or G

<400> 1339
 agagaaacac ctatgtgtct gttctcagcg aaacatcccc ccaagtgcct gcttcagcaa 60
 aacatcctct cctaagacag nttcctggaa aacatcacat gacacaaccg agtctccaaa 120
 cgaacaaaag ccagagattt ccacttcaga taccctttgt atgaattttc ttgatgacct 180
 ttgtgggact tcttaacca acaacctcct gataaagttt gtgcattctg gctgaaaaaa 240
 aaaaa 245

<210> 1340
 <211> 142
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 33, 35, 40, 54, 95, 103
 <223> n = A,T,C or G

<400> 1340
 ctgccctatc ctacgtcatc acctgcagct ggntncaggn tccaaggatg aatnggcggg 60
 aatggacttt cccccctttt tccccccctc ttttntaaag cngtctgcc attaaaaatt 120
 tgaaccttga gcaaaaaaaaa aa 142

<210> 1341
 <211> 221
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 18, 33, 68, 94, 101, 117, 122, 136, 177
 <223> n = A,T,C or G

<400> 1341
 atcccactgt gactcannaa tacacctttt gtnctaagag gacgacgagc ctgtgagaat 60
 tcccatntt cccttcagaa agtccaccct gtgnctgctg ngaacttgag atgtatnatt 120
 gnagcccctg ttgtanatga agccccattc tcctctagcc gaacatgtta aagcctncat 180
 tctccatgaa gactgtcatt ggaggtagaa ggttttaagg a 221

<210> 1342
 <211> 321
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 28, 57, 58, 60, 100, 126, 180, 238, 245, 248, 258, 268
 <223> n = A,T,C or G

<400> 1342
 actgaggtct cttctagcct tntgcagnac gtgcctaccc acacgcgctg aacctgnntn 60
 accacaacct gagcccttgg atgacaggcg aagcctttcn cattttgcct aggattcccc 120

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```

gatgcncgcc tgtctctagc caagcctggt gatctaagag gcaggggtctc caagactcan 180
ccagtaggga gagctgggcg aatggatcca atctgagata gtgctcctgt gcggggttnca 240
tggtnacngc cacaccncc ccgctggnga cagatgtcat gcgggtcacc tcactccagg 300
gctgaggatg agaccttaaa c 321

```

<210> 1343
 <211> 459
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 76, 98, 132, 202, 271, 339, 346, 371, 389, 424
 <223> n = A,T,C or G

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<400> 1343
actgagggaa cagcggcagg tactgtggcc tgagcctact gcgcctgctc ctcttcaaac 60
tgcttctgct cgatgngctc ctgacctgca gccacctncg cctccatgtg ctggcggggcc 120
agcacctcca gncaccaccc tcacgcaagt cctgcctcc caccacaga atttggacat 180
agttatgagt ctctgagctt anatcttacc caccctctg agcccagggt ggtggtgatg 240
ctggacacta ctgctccctg gggccaggaa naacaaagcc caggctgtga ggaagccagc 300
tgggcccaga actcacgac cccctcagt gctccttgnt caaagngggg gtttcttttt 360
gctttttctg natgggatct gcctcttgn aatggagcta tcctatcaga aactgggctc 420
ttgnctctcc tatcagactg agactttggg aagaaaagg 459

```

<210> 1344
 <211> 215
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 166, 169, 177
 <223> n = A,T,C or G

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<400> 1344
actgagttac aggagaatgc tgctcaagca gggtgacctg agtcatgaag gtggaaagag 60
agaaccgact ctgaaatagt cctcggactg tcacacacat gctgcgacct gtgtgatccc 120
acatacgtgc atccaacaat cattaaaata aagtgagcca ggcagnggng gcacacncct 180
ttaatccagc acttgggagg atttctgagt tgagg 215

```

<210> 1345
 <211> 446
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34, 44, 59, 204, 205, 207, 216, 217, 221, 223, 228, 234,
 236, 239, 253, 255, 256, 265, 271, 276, 290, 312, 333, 375,
 377, 382, 387, 388, 396, 397, 401, 420, 422, 427
 <223> n = A,T,C or G

```

<400> 1345
gtgggggtctt tccaagggtga tgaagaagta cggnaaaagc ggcnggctga tctgtgacna 60
cgtgacgtgg acctgtgtga ctgcctggag aagaactgtc tgggatgctt ctaccctgtc 120
cccaagtgca actccaacaa gtgtggggccg gagtgccgct gcaaccgccg ctgggtctat 180
gatgccatcg tcaccgagtc cggnnangca cttatnnccc ngctttnag tgcntntgnc 240
taggagattt tantnntaga ataanagact ngattnacct ttgttgctcn gatatagaga 300
tactttttat tntctttgtc aaaggaagcc cangaagaaa agggttttta gtactgccaa 360
ggaggccgga ggatnangca anagctnnaa aagacnnatt nacaaccgtg gaagagcttn 420

```

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anaactntga cttggaagtt aagccc

446

<210> 1346
<211> 374
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21
<223> n = A,T,C or G

<400> 1346
tgagctctct tgcggaatg ncatccaggg aaattccctg ggaacatctg gctccaatat 60
gatctattac ctgggtgtag gcgtgacagt cagtgcctgg ggatattaca cttacaaggc 120
tttaacatca aagcaagtga gacgtacaga acatgtagct gaaccgaaag aacaaacaaa 180
ggcggagttg caaccacttc caggtgaaaa ggaagagcat gtggcagaag ccgagcaagt 240
gtgttcagag cctggagaca ctgctgtaaa ggaagctgaa tcggtagatg ctgaggaagt 300
cccagaggct gcagttgtgc ttccagaaga gtctcaggcc tccgccccct ccgagggtccc 360
tgccgaagct gccg 374

<210> 1347
<211> 536
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 127, 182, 184, 198, 207, 340, 351, 399, 442, 485, 491, 493,
519
<223> n = A,T,C or G

<400> 1347
cagagccaga ccacacctta gctccacagc cgctttgaat ttatggatgc agttagctat 60
ggtgtttact ctccctgccc ctctgtattg ttaacctccc ctcccccaag ctggactccc 120
cttgaangag ctctttgttt ccccttagt ttagctttt atcagacagc agtgggggtc 180
ananggtttg agtggcangc ttcgcangca gtctgggtgac tgactgtctt ggtgggttta 240
aagaaaacag agaggggctga agcaccggg gagatgcgtc cccacgcccc tgtaactgag 300
aaacaatacc actcaatatt ccaaccggct ggggctggan cgatggctca naagttcaaa 360
atgcttgctg cccttgacaga agacctgagt ttggagtcnc acctaagttg ggcactctca 420
accacctgta attccactcc anaagatctg aaacctctt ctggcctcct caggcactgc 480
actcncatgc ncntaattta aaataaaaata ataatctnt aaatgcgttc ggtccc 536

<210> 1348
<211> 400
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 176, 178, 180, 221, 289, 311, 312, 313, 320
<223> n = A,T,C or G

<400> 1348
tgagggtgagg tttaatgatt tacatcgacc aaggaccgc agcctcggtc tctcgaatcg 60
gatccgacat catccaacac ttcagtgtta gaattgcaag catgcgctct cccgacctgg 120
gcaggcactt cgaaaaaatg atgactaaag acacaccgtg aagtaccaag cgaaantnan 180
agtccttatg ggacagtgc tcatcacagt ctaattccat nctggccacc aagcaataat 240
gcacatttct aactggaagt caagcaaaca ccaacacttt cacacttgng cccatttctg 300
acgagttacg nnnagtgggn accaacactt gcacttagcc ttgcctcagc ttcgagtggc 360
acaaggtagg accaaccaca ccctaccata atgcaccaag 400

- REPLACEMENT COPY -

<210> 1349
 <211> 388
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 62, 87, 139, 151
 <223> n = A,T,C or G

<400> 1349
 ggggtctttag gagtatcttg ctgggttatgt aagcgacctc gggagaaatt atcctgaccc 60
 anacggagg atgcggtagt gcttcancgt caggatttct tcgtcgttaa caccacagt 120
 ctgatgacaa agagcaagnt gtaatccgca ncactgccag ggctgagccg ggcagacaga 180
 aaatcgatcat ttgctgctca caggcttggt aggttacagc ctctgcttcg ttctgtggtc 240
 ttggcttttc ttcctataca atgacggcgc tgcaagttag ctcagaaatg cttgggtttga 300
 aagccatttg cctgtgattg tttttgaaga ctaaagaagt atttatgctc gattaaaaaa 360
 atactgctca cgaacaaaat gaaaaaaa 388

<210> 1350
 <211> 338
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 17, 34, 48, 59
 <223> n = A,T,C or G

<400> 1350
 tgggggaagt acaggnncct cccagacaga aacngagccc aagtcttncc acacctggnt 60
 cctatggaga cctggagacc ggtccccagg agctaccaga tgagatttta ctgggggtgaa 120
 gacctgaggc tataccatgg gcacacagga cacgtgtggt taccatactc tggctattcc 180
 atattataac cattccaaag tgtgctaggt gatgatttta ttaagtccag tgataggaaa 240
 gactgggaac actcaagaca tttatttagt aaaacagtgc tctgtcctag agggttaagg 300
 cacatgtggt aattaaaaaa ctcaaaggct caaaaaaa 338

<210> 1351
 <211> 424
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 138, 165, 174, 195, 210, 243, 245, 253, 258, 291, 329
 <223> n = A,T,C or G

<400> 1351
 cactgagttt tagaagtaag tttgttagag gctcatctgt ccgaagcagc atgcctggcg 60
 aaaccagcac agcgagaagc gttgctcttc ctccatcagt tctatatccc tggacagaat 120
 gccatcggaa atcttgngga agatactttc ttacttggat gcgngacct tggngtgc 180
 tggatgtgtg agcanacgct tttatcattn ggctgatgac aatcttattt gggtcaggaa 240
 gtnncagct gcntttanat caaaaagatc acgttggaaa gctacttcag nggaggaaac 300
 agccacaagt ctgagcttgc tgtcagttng ggataaagaa gatggatact ggaagaaaga 360
 atatattaca aagcagatct catctgtgaa agcagccctc accaacagcc tcagtccagt 420
 taag 424

<210> 1352
 <211> 441
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 28, 63, 67, 70, 73, 120, 149, 151, 179, 224, 226, 241, 269, 273, 279, 359, 390

<223> n = A,T,C or G

<400> 1352

aggcagagcg	ttcctccact	aacttggntg	aattatggaa	gtactggcag	gacttgatgc	60
tgncagnagn	ggntttacag	gatttcatca	ggctctgccc	aggaagtctc	tattcccagn	120
ttccaaatga	gctgcctgtg	tggggcagng	ngctggacac	aaacaccctg	gtcttcagnt	180
gagctgaggt	cttgaacccg	ggtgggatcc	ggcgggtgga	gatntncacc	tacatgggcg	240
ntagatcttg	tctccaggat	ccctggctnc	tgncaaagnt	accgccctca	cagtcccacc	300
ccacccccag	gagaggtgtg	tggctatcag	tcatgtagct	aacagcacca	agccttctna	360
catgcaaata	atgttcccc	caaactctcn	gttcaagcca	gtgatagata	cctgctgtcg	420
aaccctgaat	caccctaaa	t				441

<210> 1353

<211> 296

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 78, 106, 116, 133, 149, 152, 165, 182, 225

<223> n = A,T,C or G

<400> 1353

tgaggaaata	ttaaaaaatg	aaccaccaa	ctctctgcac	tcctgcttct	ctgaacccgc	60
caactctctg	gccggggngg	gccactgtta	ccactctagg	actggngcca	gcaggncac	120
aacattatgt	ctncacgggg	tcccaccant	tntggtccca	cattncaata	accaaataga	180
tntgccatgc	tcgaagtgtg	ataacacaat	accagtaac	ccagnaaact	caatgcttat	240
agttaaccaa	tcagatttat	atatcaataa	actctcaata	cactagaaaa	aaaaaa	296

<210> 1354

<211> 272

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 32, 37, 56, 65, 73, 74, 84, 90, 92, 97, 121, 151, 160, 161, 177, 180, 190, 198, 199, 214, 215, 218, 225, 245

<223> n = A,T,C or G

<400> 1354

ctggcggtgc	atggaatcca	nattcgtgcg	gnggcangat	gcttgcggtc	gactanatcc	60
gcgangggcc	ggngctccg	tgcngcccn	anagtgnatga	ccaaacgaag	aacacagaca	120
ntgaaaagta	agcaggcttt	aaacccttag	ntctttttgn	ntagctgccc	ttcgaanctn	180
gccttttcan	agtctgcna	agagtttctt	agtnnganat	cttnncaatg	gagtattctt	240
tctgnacaat	gtttaaacag	caataaatat	ta			272

<210> 1355

<211> 220

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 28, 29, 73, 79, 80, 184

<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 1355
tgaggcagaa agtttttcttg acgatagnna actttgagtc cagcctcttg ccgctcaccg 60
ttcccaagtc atnggggggnn gatattccct catccgcagc tccaaagaat tacatgcaga 120
ggaaaccgtg gggttcaggg gcaggggtct gtcagttgtg ggttctttta ctggattctc 180
ttanagatgc tgagttgcaa tgaagttgga ggcctggaaa 220

<210> 1356
<211> 306
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 33, 37, 42, 43, 51, 59, 62, 63, 73, 76, 88, 93, 97, 98,
101, 108, 109, 124, 126, 127, 130, 146, 148
<223> n = A,T,C or G

<400> 1356
cctggacaac acaccatctg gatccantgg ctngtgnac annggcctcc ncattagang 60
gnngaggata gcnatnctta gacattgnct ganctgnnct natggcannc cttgcccagg 120
ctgnanntgn ggactcctta ggtgangnta gaatttacca ggacaccact ctctctttt 180
ctcctttggc acccgcttgagg agggccgatt cctctgaaga ctatcttgga tttcttgga 240
ccctgcttca ttctggcctc ccgagatgta ttgggaatat aacattcttg tttagaataa 300
aaaaaa 306

<210> 1357
<211> 179
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 40, 63, 74, 78, 86, 113, 121, 133, 153
<223> n = A,T,C or G

<400> 1357
acccagggga tgctggagaa ctgaaactga gtcctatgcn agatgctgag atatctttcc 60
agnccctggc ttanaagntt tcccaanaat ccacgctact agcactggat ganagatgtc 120
natctatcta gtnccttttaa taaatcctac gcnggtgcct tgggtttcca cagcataaa 179

<210> 1358
<211> 323
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 57, 73, 107, 113, 208, 255, 257, 279
<223> n = A,T,C or G

<400> 1358
agccatcgtc tccagcccaa gagatcactc ttgcattgtg acaccatgca atgcttnctg 60
ggcctctcct ggncttcact tcacagagaa atgcaccaa gaacttnttg tantattctg 120
gctgaatcct gccgcttctg gttcttgcca attccgcaga atcgtacgtt cctgctggat 180
ccagcgctgc tactgattcc cgtgtggngt ttgctattgg actggaccgc tggatcctg 240
acaaccgaag agctngngtt gcccaaaaaa ctaaaatgnc ctacagactc ccttttccta 300
ttaaccttct tccccaccc cca 323

<210> 1359
<211> 189
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 37, 51, 53, 57, 60, 75, 84, 93, 131, 142, 148, 167, 172

<223> n = A,T,C or G

<400> 1359

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ataaggcgcc aggataggcc agggagggac ccncatntta agtcggatct nancctnagn 60
ctgggcgcac gagtntgccg gctnatcgaa gcnggtggct ccctgcacaa cccaagaagc 120
ggctggatcg nagagcactc tngatctnag caccctcgg agacttnagg cncacattgc 180
acgtggcac 189
```

<210> 1360

<211> 442

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 35, 40, 44, 85, 86, 96, 101, 113, 152, 154, 160, 167,
180, 201, 223, 225, 270, 273, 275, 289, 313, 316, 328, 386,

423

<223> n = A,T,C or G

<400> 1360

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tgagtggcat acctggngag caatactaag gtagnatggn ccgntactac aaattctatt 60
tatgaacaat gctatctcaa agcannacca ccaagnaagt ngaggagttt gtntcaaact 120
taggttaaac gatttgagga acagctataa anangaccgn tggaatngac ttccttcagn 180
cttttaccce agccgtccag ngttatgttg gaagaggacc atnangtgga agaatacatgt 240
gccgttaaaa acaacaagga agcttttagn gtngnaggaa gtgtcctgna ttttactaat 300
ttttgccttg atnaantggg gcaaccgnta ctaaataaaa accctcagct tacggaagga 360
tggaataatc ccaagtatcc tacatngtga atgaagatct tttatacatc ttgccactaa 420
gtncaccttt aaaaaaaaaaag aa 442
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<210> 1361

<211> 391

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 49, 62, 69, 81, 95, 124, 232, 243

<223> n = A,T,C or G

<400> 1361

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ctgggggcct gggcaaaggc agccntgagc aagtgccagg tgctcctgnc tctaccactg 60
cncctcctgna gactaccttt naccataacg acttngatgc tgagagaaat gctgtgacta 120
gcanccattt tggagttgac tgggatgtgt tctaaagttt gaatgcaaaa gacaccacag 180
agggcaccat ctctacatct gagggaccca aatggactcc actggaagtt gnccactcac 240
tgntgggggag ggcactgcag ctcttggtcc ctgggtttcc actttacatt tcctatttga 300
agtaatgcat atatcatata atttgatata ttttttgatt attctaattt acagaataaa 360
aatacagaat ttcttatcat caaaaaaaaaa a 391
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<210> 1362

<211> 350

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

- REPLACEMENT COPY -

<222> 18, 30, 40, 53, 65, 93, 105, 135, 144, 153, 157, 169, 172,
176, 180, 194, 199, 229, 238, 239, 251, 254, 265, 269, 280,
303

<223> n = A,T,C or G

<400> 1362
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ctctngaggt ggcatggacc acggacgtct ttnaaggaga cttanatcca caaaacggat 120
cactcatctc acacnatctt gtttagagtc agngggngca gctggggcng tntgtntggn 180
ggcaggacct gtgngaaanc caggctgctg cacagcactc tgcccttanc tgccctgna 240
acagcctagg nacnaccatc ctatntgcng cacaagggcn gtgaggtaac cctggatctt 300
atnccacag cagggcgagc agccagagaa gctccagctg ctgtaatgta 350

<210> 1363

<211> 178

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 27, 36, 41, 43, 47, 51, 53, 54, 55, 78, 82, 106, 112, 136,
138, 140

<223> n = A,T,C or G

<400> 1363
ttgtcaagat caagaagaac aaggatnatg tgcatntcaa ngntcanttg nannnggtac 60
ctttacaccc tggttatnac anacaatgaa aaggcagagg aagctngaag cnttccctac 120
ccccgggttt ggcagnnana gatctcgtaa tgaaccagcc ctctgcagtg tgactatt 178

<210> 1364

<211> 155

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 44, 70

<223> n = A,T,C or G

<400> 1364
ggaattcaaa ggctctgcaa cagatntttg acgagcagca ttcnaagagt taatgcttct 60
ggcctaggan atggctcgcc agataaaaga acagcgctct tcacattcct gtgttcactc 120
acaacattag aaataaaaat taattatgag ggagg 155

<210> 1365

<211> 202

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 70

<223> n = A,T,C or G

<400> 1365
aacacagacc gacccaacaa tgaacagttt caagggacac cagaatgggt gacttggttac 60
gatactgtan tgggtgcttca gggaaggaag agacagggag gacccaagct gcagttccag 120
aattacaaac tgagttcaat gacactagcc ctctagcaag aggcagggat gaggagtgtg 180
cataaagtgg gggtcagcac tt 202

<210> 1366

- REPLACEMENT COPY -

<211> 298
<212> DNA
<213> Mus musculus

<400> 1366
ttgtgggggag cgtggattct tctacacacc catgtcccgc cgcgaagtgg aggacccaca 60
aggtcagggtt gatggctcag aaaacaagac attcacagat agaggatgag gatccctgaa 120
actcttgtga agacagaaga taaagaacaa cacaagctg actttggacc tccatatgtg 180
tgctgtgaaa tactcacaac cctcacagat tgattaaaga agtatcacct agcacaccat 240
gaatgcttgc aggctggact gtcaatcaaa taaaaatagt tagacatata aaaaaaaaa 298

<210> 1367
<211> 192
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 63, 65, 69, 98, 100, 121, 132, 136, 141, 150, 157, 160, 162,
164, 170, 171, 175, 176
<223> n = A,T,C or G

<400> 1367
ttgtgggggag cgtggattct tctacacacc catgtcccgc cgcgaagtgg aggacccaca 60
agntnctgnt ttctgacctg cttgagttcc atgcagtnan ctacctttgg tcatgaacgc 120
ncattgctgc cnatcnggac ncgtgggtan caccatntgn cntnccgtgn nacannaacc 180
atattggata cc 192

<210> 1368
<211> 150
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 61, 83, 110
<223> n = A,T,C or G

<400> 1368
tggggagcgt ggattcttct acacacccat gtcccgccgc gaagtggagg acccacaaga 60
ntgaattcta ccctgtgtaa gtnagtgacc ctggctgagc tttgtggacn gagcaccgtg 120
acaccggggc agatcctaga gacaggtaga 150

<210> 1369
<211> 125
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 65, 77, 78, 84, 85, 86, 89, 97, 99, 100, 103, 107
<223> n = A,T,C or G

<400> 1369
ttgtgggggag ccgtggattc ttctacacac ccatgtcccgc cgcgaagtg gaggacccac 60
aaggntcaca actaccnnga tctnnntang cataggnenn tcntaanctg ttctaacctt 120
gacta 125

<210> 1370
<211> 537
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 67, 76, 82, 83, 89, 110, 113, 115, 116, 125, 131, 151, 152,
158, 162, 165, 168, 171, 178, 179, 182, 184, 187, 193, 198,
200, 201, 208, 214, 222, 232, 239, 240, 241, 251, 253, 254,
255, 256, 261, 263, 270, 274, 279, 281, 408, 465, 470

<223> n = A,T,C or G

<221> misc_feature

<222> 509

<223> n = A,T,C or G

<400> 1370

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agggccnagc	ttgacnctga	gnngacgant	gggaccagat	acttttcaan	ccntnngaag	120
gcagntagct	nagaataacc	cgctccatcg	nntaactnag	angcncngc	ncttgctnnc	180
tntnctntgt	cangaagnan	naggaccnag	aacnaccact	tncccaaagg	angtcttcnn	240
ntttgagacc	nannnngtaa	ncngaaacan	gaanctccna	ngacctccac	acggcggggcg	300
gaagacaggc	gctctagcat	cgaatgtagc	cctgagccgg	aactcgggaa	ctctatgacc	360
aactgggact	tccgtttccg	ccccctgac	gacgaggcga	cgggttantg	cagcgagtgc	420
attctgttcc	tggtttagctc	tgagcgaagc	ttcctggagg	gccgnactcn	agcctctgtg	480
ccgagctggg	gtccctgcct	gacgccggnt	gccatgggag	atcaagccag	gtccttt	537

<210> 1371

<211> 156

<212> DNA

<213> Mus musculus

<400> 1371

gtgggggagcg	tggattcttc	taacacccat	gtcccgcgcg	gaagtggagg	acccacaagg	60
tgatgtccca	gtgtattggc	cttggatcct	gacgcggctg	cggctgctat	tcattcttgt	120
gttgtcaaat	ttcatttaac	tgcaaattaa	aaaaaa			156

<210> 1372

<211> 299

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 71, 79, 94, 95, 109, 113, 126, 131, 132, 138, 143, 150, 152,
156, 157, 169, 176

<223> n = A,T,C or G

<400> 1372

ttgtgggggag	cgtggattct	tctacacacc	catgtcccgc	cgcggaagtgg	aggacccaca	60
agggcttcat	nggacctgng	aactgcccc	ttgnntctgt	gatcccagnc	canagacagc	120
ctttcnagaa	nnactgtngc	aantgcacan	angaannatc	ccacatccna	accagnctgc	180
tgaggaaatt	caaaatagtg	accgtgaccg	gaagaacca	tgtgctttta	gtctcctttt	240
tacttttgaa	tcatttccca	agtttctttg	ataaaaacgt	ggtaaaacat	acaaaaaaa	299

<210> 1373

<211> 239

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 73, 84, 103, 108, 112, 116, 123, 125, 131, 153, 175, 177,

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182, 189, 192, 196, 206, 211, 223

<223> n = A,T,C or G

<400> 1373

```

ttgtgggggag cgtggattct tctacacacc catgtcccgc cgcgaagtgg aggacccaca 60
agggtcacca tgnctacagg gtgngtaacg ccgaagaagg ctncacncc gnaaanttgt 120
tgntnaacag ngcgaatcat atacacaggg tgnatttttt accggacaag cttanancag 180
anctgtttnc gntccnaaaa gatggngtcg nttttgccct cantaagaga tggtaggtc 239

```

<210> 1374

<211> 381

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 68, 76, 81, 83, 85, 95, 103, 104, 105, 108, 110, 120, 129,
151, 152, 163, 171, 176, 177, 189, 193, 195, 197, 198, 200,
201, 207, 208, 210, 216, 231, 244, 253, 264, 265, 267, 329

<223> n = A,T,C or G

<400> 1374

```

gtggggagcgt tggattcttc tacacaccca tgtcccgcgc cgaagtggag gaccacaaag 60
ggactcgnca tctgantgca nanangctgg cctgnaacgc cannnatnan aactttgaan 120
actgtgagnt cggcccacct ggagtgtctg nnttacaaga tgngagctgt ncctgnncgt 180
gctcgctcna tcntntnntn natttanngn tctagnctg tcaatacgac ntgctactcc 240
atgngcagtg aanggagctc tctnntngag ccatcttctt ttttcacttc ccactaccaa 300
aactatcctt gattgtcaag ggtcattana aaaggcaaac acccaaatat taagtatata 360
gattgactag taaaaaaaaa a 381

```

<210> 1375

<211> 167

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 65, 66, 83, 88, 90, 97, 100, 104, 111, 113, 116, 124, 127,
141, 149

<223> n = A,T,C or G

<400> 1375

```

tggggagcgt ggattcttct acacacccat gtcccgcgc gaagtggagg acccacaagg 60
ggggnnattt cacactgact tcntccancn gagctcngan acgnacctgg ngntcnctct 120
accncancag acctccagct ngccgtgcna actgcttctt catccca 167

```

<210> 1376

<211> 316

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 64, 66, 68, 70, 102, 107, 109, 112, 118, 124, 156, 159, 161,
179, 181, 182, 188, 206, 207, 219, 225, 255, 259

<223> n = A,T,C or G

<400> 1376

```

gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaagattct 60
cacntncnct ctgattggca cgccgatcag acgaacaccg gnttaangng cncactangg 120
atanggataa ggaccgggaa aagtctaagc atagcnacng ngaacataat agattctgna 180

```

- REPLACEMENT COPY -

nngaatcnca gagagaaaga gaatannccc cccactgcng gcccntcccc tctgcattga 240
gacaaacctt tgganggana caaggaaaga cgaaaggagg aaaagattag agctgctggg 300
gatgcaaaaa aaaaaa 316

<210> 1377
<211> 141
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 63, 66, 68, 90, 96, 97, 100, 111, 116, 119
<223> n = A,T,C or G

<400> 1377
gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaagggagg 60
canatngnag ctgccctgga ggaccctgan ccctgnntgn tcaggacgct ngagcntgnt 120
ggtcattcca ttctaacacg c 141

<210> 1378
<211> 224
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 56, 72, 84, 94, 113, 114, 115, 130, 137, 146, 169, 182,
183, 193, 200
<223> n = A,T,C or G

<400> 1378
gagcgtggat tcttctaaca cccatgtccc gccnggaagt ggaggaccca caaggngtac 60
atctgtgctt ancctgagac catngtattg gatncccttc ccaccttgag gannntgggtg 120
gaccagttna aagcgnaca ttgttnatca gtgctgcacc agcatactnc tccctctacc 180
anntggagaa ctnttgcaan tatgaccac cactaccag ccta 224

<210> 1379
<211> 119
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 75, 77, 83, 84, 86, 88, 98
<223> n = A,T,C or G

<400> 1379
gtggggagcg tggcttcttc tacacaccca tgtcccgcgc cgaagtggag gaccacacaag 60
accttgatgt gaaantncaa gannantnca aactttgntc ttcactggac cctgggaga 119

<210> 1380
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 62, 67, 69, 70, 71, 79, 90, 98, 101, 103, 105, 106, 110,
123, 137, 160, 168, 172, 181, 190, 196, 198, 207, 211, 215,
224, 231, 234, 235, 238, 240, 246, 253, 257, 274, 287, 296,
347, 352

- REPLACEMENT COPY -

<223> n = A,T,C or G

```
<400> 1380
gtgggggagcg tggctttcttc tacacaccca tgtccccgccg cgaagtggag gacccacaag 60
antcacnann ngcagcatnt tactatgacn tcctgggngt ntntnncagn gcctgcgatt 120
aanagcttac caaagcntac agtgaagctt gccctgaagn ttcacccnga cnagaactgc 180
nctcctggan caacanangc cttcaangga ntaancattg cctntgctat nctnntcnan 240
tgatgnaaga gantgcntta tgatgaatat gganatgagc aggtganttt cactgncctt 300
cgagccagat cttatcatta ttacaaagac tttgaagctg acatctntcc anaagaatta 360
tttaatgtgt tcttcggagg acatttccct tcaggaaata tt 402
```

<210> 1381

<211> 130

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 56, 69, 72, 77, 104, 105

<223> n = A,T,C or G

```
<400> 1381
gagcgtggat tcttctcaca cccatgtccc gccgcgaagt ggaggaccca caaganccac 60
gacaggaanc ttagtancta cctgtatgtg ctcacccgtt acggnatgtg ctgtaagact 120
gggaggactc 130
```

<210> 1382

<211> 469

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 48, 52, 55, 57, 63, 68, 73, 77, 90, 92, 102, 103, 104, 109,
110, 114, 119, 125, 130, 131, 144, 160, 186, 188, 190, 196,
200, 206, 210, 215, 221, 224, 225, 227, 238, 239, 242, 244,
249, 253, 272, 273, 274, 315, 360

<223> n = A,T,C or G

```
<400> 1382
ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaaggggcc cncnngnagc 60
tgnagtgnca ggnccgngag catagagacn tncttacctt gnnnctgcnn gtgncccant 120
gcaancctgn ncttgataa caantgctga ccagcatctn gctcctctct actatactgg 180
agaacnantn cttctngacn gaccntacn tactntaccc ntcnncnttg aatggaannc 240
tntnaatgng canatgcaa tcacaaaaga annnggggaa gtcattggga aagttctgga 300
ggaagccagg tttgntgtgg cctttcaccg aggcaatgaa ggacacagct caggtgcagn 360
ggccacatgc aactgggaag atctttgtcc agagtcaagg aattgcaaca ataccaaattg 420
ccaactttaa ctggaacacc ttcctgcagc aatcaggagg tggccctat 469
```

<210> 1383

<211> 141

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 57, 58, 79, 82, 86, 96, 99, 100, 101, 107, 116, 121, 123,
124

<223> n = A,T,C or G

<400> 1383

- REPLACEMENT COPY -

gagccgtgga ttctttctcac acccatgtcc cgccgcgaag tggaggaccc acaaggngga 60
 acatgactgc cttctttana angctncgaa ctcatngggn naaaacnact ggctgngctc 120
 ngnttgctga catggcggag g 141

<210> 1384
 <211> 128
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 36, 60, 63, 73, 75, 76, 85, 96, 104
 <223> n = A,T,C or G

<400> 1384
 gagccgtgga ttctttctcac acccatgtcc cgccgngaag tggaggaccc acaagggtcn 60
 canatgcagc tgnannggca gcgcagaca acaggntaca cttactatc ttgcacatct 120
 gcgagggg 128

<210> 1385
 <211> 323
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 174, 175, 176, 181, 186, 191, 193, 194, 198, 201, 203, 205,
 206, 212, 217, 218, 221, 224, 225, 228, 232, 234, 235, 241,
 242, 250, 254, 271
 <223> n = A,T,C or G

<400> 1385
 actgagtgtg gcctcttcct gtgtgatgct ggaggaggca acctgatgat cctctgacaa 60
 ctgttcacgt cagcactaag gaagcagatg gcaatgtcac aggcacagga ttatgaatgc 120
 agaagccatc atgtcgatga gcaggagccc aggatccgg ggctcgagtac cagnnncctt 180
 nacctnggga nttnnaagnct nganantggg gnagatnnct natntcntt ananntgacc 240
 nnagggtctg acanattggc catatgggtg ngagcactgt ttgcccttgc gaaggctcctg 300
 agttcataat ggccagcaac cat 323

<210> 1386
 <211> 392
 <212> DNA
 <213> Mus musculus

<400> 1386
 tgagtgagat tgggggtcca cggccagctg ctactccgcg tcaaccgggc gtcgctgagt 60
 cagggtctcc ccgaagccta ccgcgtgcac cgagcgctgc tctgctgac gccgacgacc 120
 cgcccctggg acatcactag gccctgaag cgtgcgctca gcctccaggg acccgtgct 180
 cccgcattac gcctgcgcct gacgcgcct ccggacctgg ctatgctgcc ctctggcggc 240
 gcacagctgg aactgcgctt acgggtagcc gccggcaggg ggccgccaag cgcgcatgcg 300
 caccgaagag actcgtgccc actgggtccg gggcgctgct gtcacctgga gactgtgcag 360
 gcaactcttg aagacttggg ctggagcgac cc 392

<210> 1387
 <211> 129
 <212> DNA
 <213> Mus musculus

<400> 1387
 gactgaggtt cccccccag gcaggagtaa ggctccaggg gactccaccg ctgtccctc 60
 ggggccactg cccccctgcc ccagccaagc caatgcaccc agaaaataaa ctgaccaatc 120

- REPLACEMENT COPY -

atggcaaaa

129

<210> 1388
<211> 398
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 49, 111
<223> n = A,T,C or G

<400> 1388
agaccattac cctaaggagg agactctgca naccttggct gaggagctna tactgtggta 60
agaagtcata agaccctggg tcttcactca gcatcaaaga gagatgaggc ncagatgggt 120
tttgatgggc tacaagggtt ggataacaca ctgtcactac tgtacaacaa gaaggaccgc 180
caggcagaag aactccaagg agtgctctca gaatgaccct ggattccccg aagcgttgga 240
agccttgaag aggtcaagc tctcttctgg gtaccaaagc agagatggca tgtcatagga 300
tttctgactt ttcaacgtct ttgttggggc aggggtctgt ctatggaaga aggtacatta 360
ataataaagc ttgcattcat agaatcgaaa aaaaaaaaa 398

<210> 1389
<211> 397
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 194, 236, 288, 293, 299, 305
<223> n = A,T,C or G

<400> 1389
gactgaggta ttcataaaaa gtctgcctgg gacgaggctg gccaggaaaa ttacaaaggg 60
catttgtggc aagttgaaat taccaacacc cagacatcaa atgacaaaat tattgaagta 120
agtaaaatat ttaacatgag ctcttaccat atttcatatc taaacatata ttgttggaaa 180
ttacttcata aggnctcttc tagaacttaa cccaaatcaa gaagacagct caacngntaa 240
caggacttgt gctccttatg gtggataata aagaaaagcc cggaaacntg ttntctganc 300
ttcngngtgt cgctctgggtg tgcctatgca cacacacaca aacagaaatg taatttggaa 360
aataaaagaa gtaccttagg cctgggaaaa aaaaaaa 397

<210> 1390
<211> 216
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 146, 161, 163, 168, 180, 192, 194
<223> n = A,T,C or G

<400> 1390
cttcgagtgt gcttccttta nggtattacc tatttcacga atacttgatg atatgatagg 60
tttgctcttc acttgaaatc aagtgtttga ctttttacaa aagtgaacc ttacccgaga 120
ggagtttctt atctctggat ggcagntgat tcactgtaag ngntctgngg cctaactagn 180
gagagatgct tnanataaac taagttttta tgagtt 216

<210> 1391
<211> 417
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 27, 35, 39, 41, 42, 43, 44, 47, 50, 59, 66, 84, 85, 86, 88,
110, 112, 295, 296, 340
<223> n = A,T,C or G

<400> 1391
ccagggcata aggctagggt tgaacanagg gtttncatnc nnnntgnccn taacggatnt 60
tggaancctc actcttttac ctgnnnangg atgaccagaa actggagaan angatatgtc 120
aggaagccaa ctcactgtgt gacttgatac ttacatacga cggggagtcc cgagatctgt 180
ctacgctcat cttcaagtca gtaatcaata tcatctgtac catctgcttc aacatctctt 240
ttgagaacaa ggatccgata ctgactacca tacagacctt tacagagggt attgnnggat 300
gtcctgggcc acagcgatct ggtggacata ttcccgtggn tgaagatttt tccaataaaa 360
aacttggaag tgataaagga acacactaaa attcgagaaa aaacactggg tgaaatg 417

<210> 1392
<211> 232
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 42, 66, 74, 86, 93, 97, 109, 110, 111, 115, 122, 144, 151,
159, 174, 183, 188, 192, 195, 197, 205, 208
<223> n = A,T,C or G

<400> 1392
tgactagtcc gaaacttgaa tatTTacctg tttttaaaat gncaagttac tgctacccat 60
gggcanaagc tcgnaggcct catgangcct ggngttncctg caaagacggn ngccnacact 120
tnctcagagc tctggctagc cttntctaaa nagtctggna agttgaaagt cccnaacctg 180
ggnggacnca gncangnctg gccanacnta cagagcttgc cccatatgat ga 232

<210> 1393
<211> 257
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 31, 43, 56, 96, 139
<223> n = A,T,C or G

<400> 1393
aactgagggt cagagntagt cctcgataat ngcttgtgtg tcnatgggga aatctnaagg 60
cctgaatgac acctttaagg aactggagtt tcttancatg gccaacagtg gagttgagtt 120
ccttggcccg gcttcccanc ttgaataaac tccggaagtt ggaacttagt gacaatataa 180
tttctggagg cttggaagtc ctggcagaga aatgtccaaa tcttacctac ctcaatctga 240
gtggaaacaa aataaaa 257

<210> 1394
<211> 130
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 41, 51, 56, 59, 60, 63, 92, 95, 97
<223> n = A,T,C or G

<400> 1394
gtacaaaggt gaaacagcta anaaacctat aggaatctca nagctactag nctacnttnn 60

```


- REPLACEMENT COPY -

ggnagaacat acaatcagaa gaccatcttc anaantncta gaagtcatgg gaaggaactt 120
 ttattctgca 130

<210> 1395
 <211> 164
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 28
 <223> n = A,T,C or G

<400> 1395
 tgagctatcc catctgtcna agggagantt acacagagca atggtaaaga tctgggtcatc 60
 tacctcgaga agaggcgata ctacgggaat caatctaatt tataaaacca ctcacctatg 120
 tacacagacg ctggctgaat catgcacatc tgaacgaggg acga 164

<210> 1396
 <211> 329
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 93, 106, 133, 135, 154, 160, 166, 220, 234, 238, 239
 <223> n = A,T,C or G

<400> 1396
 cttataaaag ctggttgccc tgctgctggt atccaaaaac agttttccgg agaaactttt 60
 gaagaaagaa ttgattgctc tgggaaatgc gtnttgccag gtttgntgga cgcacacaca 120
 catccggtgt ggnenggtg aaagagtcca cgantttgcn atgaangtaa ctggaacgga 180
 cggcagcaaa tcaatacagc cgcaaacagg ggaatgtctn tactagtgat tgcntaanng 240
 gccaacctat gccacatatc tttttaatgg gtttatcttt acttggctta ataaagaaca 300
 caactgacca ttaaaacttaa aaaaaaaaaa 329

<210> 1397
 <211> 382
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 102
 <223> n = A,T,C or G

<400> 1397
 ctgagggtgg tcctggactt tgtgagcacc tctcaagttc tgtgatcgga tactgggtag 60
 cccactgttc cagaggtcta cacatgcact cactgtgacg gnaaggaacc tccttccatg 120
 gggccactct accttgtgcc tgaaaatcca tttgagaagt aggcctgcat tctgcaaagc 180
 tctgcacttg tttccaaatt acatttaata aagaaattgc aggtacttca gctgaaattg 240
 aaggagagag ggaaggctgg aacatcagca gcctactggg gctttcatac ttacttttca 300
 ccttagatga ccctctaaga gttttggatt ttggctgagc taaaataaac ttctccaagt 360
 gttactgtga ggaaaaaaaa aa 382

<210> 1398
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 1398

- REPLACEMENT COPY -

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gaactgaggt tcccagcagt ctaccttgtg aaatgtttta ggctaagaag agtccagcaa 60
cagctaactg agagacctga ataaaagggt aaattaaaaa aaa 103
```

```
<210> 1399
<211> 427
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 77
<223> n = A,T,C or G
```

```
<400> 1399
tgagaaatgg aggcaaacga ccattttaac tttactggcc ttcctcctgc accagctgcc 60
tcaggactga aaccctntcc ttcctcgggg gagggcctct acactaacgg gtctcccatg 120
aacttcccc agcaaggga aagtttgaat ggggatgtga atgttaatgg cttatctact 180
gtatctcaca ctactacttc agggattttg aactctgctc cccactcctc tagcacctca 240
cacctccatc accctaacgt ggcctacgac tgtcttttga actactcaca gtacccatct 300
gccaatcctg gcaacaacct caaggacca ccccttcttt ctcagttccc tgggggacaa 360
taccgctca acggtatcct tgggggcaac cgacaacctt catccccaag tcacaacact 420
aatctaa 427
```

```
<210> 1400
<211> 227
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 28, 33, 35, 45, 57, 83, 90, 116, 181, 191
<223> n = A,T,C or G
```

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<400> 1400
tgctatcaat tatctactga gacccagnga acngntaaaa tcacngtcaa agagaanagg 60
gtggagagag gaggaggggg aanagcttan ttggggccaca ggaagacagg aagcantcat 120
ttacttataa aagaagtcgg cattcattca gcgggctgcc tttgtcttct tccaagcctg 180
nctgaaaatg ncataacttcg gcctggagac tttcaacgaa aaaaaaa 227
```

```
<210> 1401
<211> 508
<212> DNA
<213> Mus musculus
```

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<220>
<221> misc_feature
<222> 166, 456, 475
<223> n = A,T,C or G
```

```
<400> 1401
gactgaggaa aatactacat agctaccatg gccttgatca ccgcctccac agcccttacc 60
atcatggtga tgaatatcca cttctgtggg gcggaagccc ggccagtacc acactgggcc 120
aaggtggtca tcctgaaata catgtccagg atcttgtttg tctacnatgt gggtgagagc 180
tgccttagcc cccgtcacag ccaggagcca gaacaaatca cgaaggttta tggcaaactt 240
ccagggtcca acctgaaagc atccagaaac aaagaccttt ccagaaagaa ggaactgaga 300
aaactcctaa agaatgacct aggggtaccag ggtgggatcc cccagaatac tgacagctac 360
tgtgcacgct atgaagcact gaccaaaaat attgaatata ttgccaaatg tctcaaggac 420
cacaaggcca ccaactccaa gggcagcgag tggaanaagg tcgccaaggt catanaccgt 480
ttcttcatgt ggattttctt cgctatgg 508
```

```
<210> 1402
```

- REPLACEMENT COPY -

<211> 408
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 279, 303, 320, 331, 340, 348
 <223> n = A,T,C or G

<400> 1402
 cggttttccaa cttggacgag gagagtcgat ggactgtcca ctacacggca ccatggcatc 60
 agcaagagaa tgtgttcctt cccgccacaa gacccccctg tgttgaggac ctgcaccgcc 120
 aagccaagct caacctcaaa tcagtgtgta gggaaatgtga caagctgagg caagatggct 180
 gccgaagttc tcagtactat tctcagggac ccacctttgc agccggctcc agccccctgcg 240
 acgattatca agatgaagac acagaagcag accgaaagng ctctctctct tcatctgaag 300
 aanaaagatt tatcggaatn aggagaccta naaaccccan cttaaggnga ctttctccga 360
 ccttcatact cagacaaact gggaccaagt ccctgccgct gccaacac 408

<210> 1403
 <211> 199
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 41, 45, 48, 60, 67, 70, 74, 86, 115, 117, 129, 154, 162, 164, 175
 <223> n = A,T,C or G

<400> 1403
 tacagtcaga ggagggctgc tgtngctgtc aggatggctg nggancanga ctttgcccan 60
 ctgtgcnggn tggncacaca gccctnccac tcccactgtg gtcaacaata cctancngaa 120
 gcacacagna ctcccaggcc ctgctccggg gccngctggc tntncgagac agtgnggatc 180
 ctctttgacg tttccctgg 199

<210> 1404
 <211> 246
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 23, 27, 32, 33, 46, 50
 <223> n = A,T,C or G

<400> 1404
 tgcaggacag acagggggna gangtcnagg cnncaagtct actggncatn ttggctctaa 60
 cctgacggcg cagtcatatg caagaaggac aacggaaggt taagttctgg cagagcacia 120
 tggcccttaa tgcctttaat ctcaggcagg cagagctctg ggagtttgaa gccagcctga 180
 gctacagacc aggacagcca gggctatata gtgagacctg tcttgagaaa agcaaaagaa 240
 aataaa 246

<210> 1405
 <211> 248
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 48, 71, 76, 81, 94, 143, 203
 <223> n = A,T,C or G

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<400> 1405
gaaccccagc tccctccccg gtggcggcgc cgactcttac tggacganct tggctggatc 60
cccatgggtg ncatanacca ncgcccgcac ccgngacggc tcaaagagag cggagtagga 120
ggatgtggtc cggccgtggc ggnaccaagc ctcgaggaga cccgcaagct gaggtgcccg 180
ggctcgcgcc ccttgtcact cgntggctga ccaacatgct ggttccagca ctggcagaat 240
ccggcgac 248

<210> 1406
<211> 162
<212> DNA
<213> Mus. musculus

<220>
<221> misc_feature
<222> 18, 20, 46, 54, 56, 59, 60, 61, 74, 86, 109, 115, 120, 125
<223> n = A,T,C or G

<400> 1406
tcttgttcat ggccaggncn caagacgcgg gacaagcctg tatgtnagat gccntnttnn 60
ngaaacctga gctntgccta gaggantggc cttcagtgca tcggatgana gcaangagan 120
cgaangggac tggccatgca ccccgggggtc gtcaaaacaa ta 162

<210> 1407
<211> 214
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 30, 45, 51, 60, 67, 80, 87, 99, 105, 111, 145, 153, 160,
185
<223> n = A,T,C or G

<400> 1407
gactgaggaa caagatcacc aangacctgn gttctttgtg gttgngaacc nattatttan 60
ccacatntga gcctcagttt tccctgntgg gaaactggna ctaanacttc ntatctactg 120
ggctgctcct aagctaggta gaatngtcac gangaaggan agcatgacag aacaggagga 180
ctatntgtca gattccttca ttaatgttca agaa 214

<210> 1408
<211> 244
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 42, 55, 57, 60, 70, 76, 140, 142, 149, 192, 197
<223> n = A,T,C or G

<400> 1408
gctgaggtag tagcctgggc acaggccata nttacttctt gnggaactct caaangncgn 60
acaggaagcn tggctnggct ccataaacct taccaccgag caatacagtg ccttcccttc 120
ggcatttgca agtctgcagn anggacctnt cgtgcttctt tcctctctta ccctggggcca 180
ctcctggaaa gngaggntac tcttcccagt tttgaggtat gctgacatac ctcaaagtat 240
taaa 244

<210> 1409
<211> 188
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 26, 33, 50, 56, 69, 72, 101, 109, 110, 116
<223> n = A,T,C or G

<400> 1409
tacttttggt ttttttactt ggcttnggca atngcaaagc aatggctggn aaaatntgcg 60
gggttcacnc angaatttcg gggacttgag agttcctcag nttaataann agtaangctt 120
gttttcagtt tcagacctcc cgaagctacc taagtttgaa aaagcttgag ctcagtgaaa 180
aaaaaaaa                                     188

<210> 1410
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 49, 60, 66, 76, 84, 108, 114, 119, 137, 145, 154, 201,
220, 248, 251, 269, 277, 290, 301, 303, 306, 349, 355
<223> n = A,T,C or G

<400> 1410
tccgtggtgc tttatctggc tgtgncactc atggacccca ggcgtatgng actactcagn 60
cccatntctc acagngagc ccanggagga acaaggcagc catggtnac tcangccgnc 120
ccactccggc gctgaanaca ctgtntggtg ctgnagcccc tgcgtgcccg gcactgtcgt 180
gattgccgcc gctgagttcg ncgctatgat caccactgtn cctggatgga gaactgtgtg 240
ggtgaacnca nccacccgct ctttgtggnc tacctgncac tgcagctggn agttctgctg 300
ngnggnctgt gcctggcatg gtatggcctt cagttgttac agccctggng gatgnggctc 360
cggtacactg ggctgctgat caccaccttc ctgctgctgt ctttcttctc ga 412

<210> 1411
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 457
<223> n = A,T,C or G

<400> 1411
aactgaggag ctgagagccc tgaccccagc actcctgaac cctctctcat ggcctcagac 60
atctgggtca gcatgggact caaacaacag aaattaagca tactgaaacc ctaaggagga 120
tgtgtcatac tacactctac acaactacaa agtgtcaagg aaagccgggc ctctggggct 180
ggcatctgta cacctttcta caaacgatt ctttgtggct gcagaatggc tattaccttt 240
ctgggggctag tgctcaggtt acaagcttct gtgaaggata tcttcaaact ccttgagact 300
gcacctgggt gccgtggata acagcagcag gaacctgatg gctacaggtc tggaagagca 360
gctgtcagga tcgggagaag ggatgctggt ggccaacaca gtccctgcgtt ggaaagagcc 420
tagttttctc ggctttgtgg ggtgtggtcc atgctgntcc tctttagtat ctgcgaccat 480
ctgtgctggc aggtgcttc                                     499

<210> 1412
<211> 273
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 27, 43, 44, 49, 52, 58, 59, 60, 61, 63, 71, 74, 81, 82,
84, 100, 109, 114, 139, 160

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<223> n = A,T,C or G

```
<400> 1412
ttttctcttc catcctcttc tcccctnagg ctctttccct ctntttctng gncccccnnn 60
ncntgcctgg nttntcctgc nnentcaagt tcatgcaccn tgcagactnt gaangctgaa 120
ggtaacggcc agtgacggnt tccatggggt ttgtcttcgn ggacatgctt tattattttc 180
aaggccatgg atttactact gaaacttttt cttgattgcc ctttaacaat ctcttcctca 240
aaataatata taattataag taaaacaaaa aaa 273
```

<210> 1413

<211> 558

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 48, 102, 104, 203, 237, 334, 364, 399, 406, 444, 457, 461,
471, 493, 526

<223> n = A,T,C or G

```
<400> 1413
ggtaccctcc gtcgaatatt cctcccagca tcagaacgaa tgtggtanga caagacttgg 60
aatggaggac tgggtcccaga atgggtctgt ttgggatgtc anancagaat aacttctctg 120
tgggcttgac tgccttttgg gtgggtgctg gagatcaaac ccagagcctc caagactcac 180
tctcccgctc gcccgccaag atnccacctc atccgtcaag gggctgattt tgactanctg 240
gttcagtgtc gtcatttaca gaacccttgt gtgtgacttt cagtcagttc cctccttcca 300
gcaccccgga aaattgggca cagtagaaaa tgnatctca gcagttgata agcaagtgga 360
tcanaagctc ggaatcacct tgggctacac aaaggagtna gaaggncagc ctgggcttca 420
tgaaaccggt tcccaggaat ctangagaag aacaagncaa nacgaaacc naacctgttc 480
tctccgttct gtncacttta tccctcagtc ctcagaatct cccgantctg aacccttcc 540
aagcatgtcc atttctctg 558
```

<210> 1414

<211> 468

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 239

<223> n = A,T,C or G

```
<400> 1414
gaactgagag aatggttttc tgaaagcaat aggactgcag atgttaaact gaatttctga 60
ctgtccagga ggaaccggca tggaaccgc atgggtacttc ctgctgcgct cttcacactt 120
gccaggccaa ggttctgtta cctcaagatg ggggttagtt tcaagagtag ctggaggggct 180
tgtttcctga gtcattcttct tgtgagccca tgctctgtga aggagaaagc aaatagtng 240
tttgtgacca actctatcaa gaggactctt gtgaaagcag catgccagct ccccagcctg 300
tctctgcagg aactaccaca gaacaacaac aggcaacctg ggccttccct aagcacactt 360
aaaggagtgc ctgaacatat cttaaaaggt atttcttggg aatttatggg aactggggtt 420
caaggacaat gagcaacttc acatttaata aatgaaccaa gttcttgg 468
```

<210> 1415

<211> 751

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 210, 228, 241, 254, 256, 334, 367, 479, 505, 569, 589, 593,
609, 621, 622, 645, 649, 653, 664, 672, 679, 681, 683, 687,

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688, 690, 700, 708, 714, 728
 <223> n = A,T,C or G

```
<400> 1415
gtggaagaag acagcgattc agagacctat ggagaagaga atgacgagca aggaaatatt 60
tctagaagaa agattgtctc caactgggat cgctatcaag atactgaaaa ggaggtcaat 120
ggtgaaagtg gagaatctca gcggggcaca gacttcagtg tcctcctgag ctctgcaggg 180
gactcctttt cacagttccg atttgctgan gagaaagaat gggatggnga aacttcatgt 240
ncaaaacaga attnancact ctacgtggac agtgagtcac tggttcgagc ccttgagcag 300
ctgcctcttg cagtccggct taatgttgct tcanaattga tccagaccac aattccttta 360
gaacttncac aggtgaaacc aaggagaaac gatgatggca aggagctggg catgcattta 420
aggggaccca tctctgagct cagatctgct gctgggtgctt gcccaggtc tctgggcana 480
ggcagtctaa ggcaaagccc tttanaaagg tttgcagaaa gcacctacc caacacagtc 540
agtggcagac cacctggaag aagaactana tatgtttgct tgcatttana atncacctgt 600
gccaagaang aaggcaatat nntctccaga cccaggacat tcttngggna ccnaggaacc 660
catnaaaaaa gnattgggnc nanggtntn cccaaggaan ggaaaacnag ggtncccttg 720
aaaaaaancc ctttttttgt ggaaccccccc g 751
```

<210> 1416
 <211> 389
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 39, 106, 108, 112
 <223> n = A,T,C or G

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<400> 1416
cactgaggta accatgatga tgacaaagga tactgctgng actctcactc cctttgagga 60
caccctgact cggatgcttt ttggccggcg gcagcagcag cagtttnat cnagtgaaaa 120
gaaaactgaa gtcaaaccgt cttccaatgg ttctgcctca agtgcacga agcgggggagc 180
agagccttcg ggtggtgcta agagacacgc caagaaagaa gactgagggt cgccctgggc 240
gtcggaggca ggaggaggag ttacttctct cagagtgtgc ccgtgggtct gtgaatgatg 300
tgagagagcg cttatgtgta aggggtggagg agacaaaaga ggaagtgcct tggttcaggg 360
acacccgctc gcttttcttg gccgtaact 389
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<210> 1417
 <211> 190
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 44, 48, 59, 88, 102, 117, 137, 160
 <223> n = A,T,C or G

```
<400> 1417
gaactgagga gtcttactat atcgctcctg ctgttctcca cctncggnga tcaaactgnc 60
cacgtcagct tccggaatcg aagggaanat agatgtgtgt gngctacca cctggcnagc 120
cctaaagtgt agatgtngaa actgtgggtg cactgaatgn ctgttctact aaagagtgtt 180
gttcttctga 190
```

<210> 1418
 <211> 337
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 19, 37, 48, 63, 70, 78, 80, 82, 85, 89, 95, 97, 100,

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107, 125, 198, 230, 240, 247, 264, 267, 296, 306
 <223> n = A,T,C or G

<400> 1418
 tcatcatcat catcangang tggataaaaag tatgggngcga cccaagtnaa ataaacaggt 60
 atntaggatn agaccttnan gnggnagcng gggtnngncn caccctntgc cagcaagccc 120
 ccggnaccca agacccccat catcgaagaa gaacagaaca actcagcaaa caccagaag 180
 catccttcca gaaaaagnga actgaagagg ttctatacca ttgggttaaan taccggcaan 240
 agtcccnaca taatgaagag caancanatg caaatatattt tctcacactc ttccgnaatc 300
 tgcttntaca ctgaaaaaga gcctgctgaa ttaggaa 337

<210> 1419
 <211> 234
 <212> DNA
 <213> Mus musculus

<400> 1419
 gtcaattatg gaaagggctg atgaacgcta acagcgcttc ccactcccc agctgaaact 60
 atagaggggtc agaagcccca aactgctgag ctctgcacac agtgggagga gtggctgtcg 120
 ggaggggaag cagagaatgg ctgcaccaaga gaccctggct tctaacaacc agctcaagag 180
 aagttcctag tgattaaatt aataaactga gctcaacaaa ttgaaaaaaaa aaaa 234

<210> 1420
 <211> 151
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25
 <223> n = A,T,C or G

<400> 1420
 tctccatcaa agcatctaac acaancctaa atcctaatac ccttgcctta catcctgttg 60
 ctgagatgcc atgtgattta ctgtgatttg tgttctccat ttctccaatg agtgataatc 120
 acagtttgtt cagcttgcag gaaaaaaaaa a 151

<210> 1421
 <211> 733
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 30, 522, 525, 577, 624, 666, 692, 711, 716
 <223> n = A,T,C or G

<400> 1421
 gacaggacag tgcttggttta angctatatn tctgctgtct gagcagcaac aggtcttcga 60
 gatcaacatg atgttcataa tccaagatg ttgccattta tggtctcaga agcaagcaga 120
 ggcatgatgg tcagtgcag taatgtcact gtgttaaatg ttgctatgca gtttggattt 180
 ttctaatagt gtgtaggtag aacatatgtg ttctgtatga attaaactct taagttacac 240
 cttgtataat ccatgcaatg tggtatgcaa ttaccatttt aagtattgta gctttctttg 300
 tatgtgagga taaagggtgt tgtcataaaa tgttttgaac atttcccaa agttccaat 360
 tataaaaacca caacgttaga acttatttat gaacaatggt tgtagtttca tgctttttaa 420
 atgcttaatt attcaattaa caccgtttgt gttataatat atataaaact gacatgtaga 480
 agtgtttgtc cagaacattt cttaaagtga tactgtcttt anaanagttt aatatagcat 540
 gtcttttgca acatactaac ttttgtgttg gtgcgancaa tattgtgtag tcattttgaa 600
 aggagtcatt tcaatgaatg tcanattgtt ttgaaagtta atgaacattt taaatgccaa 660
 ctgttncggg tttaaaaaca aactgtccga ancttgaact aaaattaaaa ncgaantatt 720
 caaagggaat aac 733

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<210> 1422
 <211> 231
 <212> DNA
 <213> Mus musculus

<400> 1422
 gactgagata tacatgtctg agtccacggc ggctgaatcc aagtctgcat gtgaaggagg 60
 agggacagga ccattcgatc tccagccttc cccctactcc ctcaatagct tcggccacac 120
 cctccctccc taagacgtgt gcccgaagct gctctttggg gctctgcagt taagggctca 180
 cctgagaact gataggagaa tgaagaagat gacgagttgg ggggtaagag t 231

<210> 1423
 <211> 297
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 194
 <223> n = A,T,C or G

<400> 1423
 tgaggtgctc cctgactcgc agcatctgtt aatccagcct aagcccacag tcctgggctag 60
 gtcctgacac atgtgacaag tgcattgacat ctgggtggctg cagaatgaag atataacggt 120
 caaacagaag cctggggagtg ttgggtggctg tgaagtggctc caaactaagg atggttttac 180
 attatgtgaa gcanaagaac agagtgtgca atcagatcaa gcctcacctg cagccaggac 240
 tgcctcttga ttctgcaact tcagctgata aactgctttt atcttttaaaa aaaaaaa 297

<210> 1424
 <211> 185
 <212> DNA
 <213> Mus musculus

<400> 1424
 attttacagt gaggaactc ggtgtatgca ggatagggaa ctctacatgg accacagaag 60
 gcaaaagcct gctgctttcc tgtgcagggt ggagtgtact aagttagcat cctgtgatgt 120
 acttgcccca gccagcaaca gcagagaagc acacaggtaa cacagctcct tgaagttgga 180
 ccctc 185

<210> 1425
 <211> 282
 <212> DNA
 <213> Mus musculus

<400> 1425
 gactgaggga acaactgagg ctgagccaga ccttgacttt gctgccctaa ggagattatc 60
 aaggggtggag ccattcctccc tagatcactc tattgttcag ccactgtccc gtccctcttc 120
 aagatactgc tacctgccga agcaattccg gagactacac cctgtcctac acgtgggtcac 180
 ctgcagctgg gctccaagaa tgaattggcg agaattggcc tccccctcct ttataagcgc 240
 atttgccatt aaacatttga gccttgatct gaaaaaaaaa aa 282

<210> 1426
 <211> 222
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 36, 48, 50, 76, 80, 131, 172, 180, 194, 196
 <223> n = A,T,C or G

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<400> 1426
 actgaggccc aggaagtgag gccggtngaa gcaccnagcg ccaaggantn ttccactcct 60
 actgggtaaa agcacncggn ctactcggag cacaggaaaa agcccagaaa acctggccca 120
 gcccaggcct ntctccactc cctgcttgac catgcaggaa aacagacaca antatcttcn 180
 gggcattttca cccngnggat taaacataga agaacaaacc cg 222

<210> 1427
 <211> 287
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 31, 41, 45, 48, 53, 68, 72, 73, 76, 82, 84, 100, 101,
 115, 116, 117, 127, 129, 133, 136, 138, 142, 148, 153, 158,
 179, 213
 <223> n = A,T,C or G

<400> 1427
 gactgaggtg ggtttgggct gaggtaganc ngggcagcgg ncatnatnac ttnttgtgga 60
 actctcanag gnnggncagg angnacaggt ggccaccatn nccaccagga ggcannncag 120
 gagagcncng atnacncnca cnatgatnac tgnggcgnac accaggtecca cctgctttnc 180
 tggatcttcg gggctctgttg gagacaggcc agngtctgag atacacgccc aaatccttcc 240
 ctgatcctcc ccagacccca ttgctacccc acgtatcctc atcatgg 287

<210> 1428
 <211> 294
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 45, 85, 120, 141, 150, 159, 175, 183, 196, 211, 232, 247,
 250
 <223> n = A,T,C or G

<400> 1428
 tgtgtggagg agaaatatac actgctgagg tcactcattg ttcanagact gtcagtgtag 60
 gaacatggac cattctaata ggganaagga tgatagacaa cggacaacta aaaccatggn 120
 acaaaggaat acacactgtt ngagaccatn tggcacttna acatcctctg gggtnctcat 180
 ggngggaccc aacttnaggg ttggcaagaa nataggggtg ggggaacttcg gngagctcag 240
 attaggnaan aatctctaca ccaatgaata tgtaaccatt aaactggaac caat 294

<210> 1429
 <211> 434
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 66
 <223> n = A,T,C or G

<400> 1429
 gctgtggatt cccagttttac agaggtgaag gtgtaaacga gtgtcgggaat ccagcacact 60
 gcaggnggag ctcaaatgta cagcttttgc tagctgtcag aaggaaggag gctctcccag 120
 aatcccatgc cctgaagccc agggatcatat cctctatctt cacaaaacat tgttgctaga 180
 ttggactttc taatcatctt aatagtggca actactgaaa tttgcctcgt ttcttatcta 240
 aggaataatg ctgtcagcat gtctgcatac tccatgctct ccgacagaat tgtcatggcc 300
 aaggaactga tcaaaagagc agaatcactt tctcgggtccc gaaaagggtg catagaaggt 360
 ggcgcaaagc tgtgcagcaa actgaaggca gaactcaaat tcttgacaga aatagaggct 420

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434

gggaaaaaaaaaaaa

<210> 1430
<211> 353
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 330
<223> n = A,T,C or G

<400> 1430
agaactgagt gaatgctgac cagtgagatg ccagcctgcg tgtgaagatc ctacagcaga 60
agtgcattggc cagtgcacaca agaacttgcg agagatgccg gtccgcctgt gaagatcctg 120
cagcaggagt gcatagccag tgacacaaga cgtgcgaatg aaaactagat gtgaccatcc 180
agaaaaagca tagacaaaaa aatgcagtct tagtactggg atgtttgaga tgggggtctat 240
ctacatgtct ctagctgtcc ctatcaggac agcatctggg gtggcctgca gagttgatcc 300
ctgtactttt ttttttttgg gggctgtttt taaatggatt gttttgacaa tcc 353

<210> 1431
<211> 335
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 31, 38, 45, 49, 54, 56, 63, 65, 82, 99, 104, 123, 127,
134, 152, 158, 174, 189, 219, 235, 254, 255, 263, 268, 274,
281, 304
<223> n = A,T,C or G

<400> 1431
actcgccttc tatggccaga accttcnttg ncagtgttct ctggngcgnc tggntnttta 60
ttnancctag atggcactag anggaagaca ggccgaaanc gaantcccag gcttccttta 120
tgntaanagc gatnaggcct ttacaagtct antattgnga gtctccagag agancagagc 180
tctcctacng actagcttaa acctggagtc agcgagatnc taactgctgt cagangaatg 240
ggcccaagga gtcnngaaag aanccctnca gggnggattg ntgtgaagtg ggtgatgact 300
atanaagctc gaggccagga gctgatgtta ttcaa 335

<210> 1432
<211> 256
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 73
<223> n = A,T,C or G

<400> 1432
gggcacagat tgctattaca ccaagggggac agagctattg agtgggagaa gtggaatttg 60
aataagccag ggngcacaga ttagtgagga acctactgg aacctaccaa ctagaaactc 120
aacatacagg gaggacaatg aagaaacctt caaagaaacc agttcctgtt gccctaattc 180
aacaagtttc aacaaagaag tacactgaaa ctttactgct atgcaataaa gcacagcaaa 240
ctgggaaaaa aaaaaa 256

<210> 1433
<211> 136
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> 19, 33, 40, 48, 55, 56, 59, 62, 70, 71, 97, 101, 113
<223> n = A,T,C or G

<400> 1433
acggtggctt gtgctggana gatggctcaa ccnttaagan tgccgacngc tcttnnaang 60
gncctgagtn naaatcctaa caaccacgtg gtggctnata nccacccata acnaaatctg 120
atgccatttt ctggag                                     136

<210> 1434
<211> 226
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 140, 153, 197, 209
<223> n = A,T,C or G

<400> 1434
actgagaaag gtttaactga ggagggaaga ccaccctgcc tatgtgaggc caccataccc 60
atgggctggg gtcctggatt gaatcaaatg gaggaagcaa gctgagcatg aacattgacc 120
ttcctgactg cagatatcan tgcgatagct gtntcctgct tcttctacta tgcctcccc 180
ttccatgatg gactgtntct tgaaactgng agccaaaata tacact                226

<210> 1435
<211> 497
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26
<223> n = A,T,C or G

<400> 1435
actgagacac atgtcggagg cgaggnttat ggccagagac gtcacatcaaga ctgttccaca 60
cgaccaggtc ccccaacctc cagtggcctc tgagactccc agcatgaagg agcctgtggc 120
tggggaaaac cttagtcctg tgagagacgt ggacctcatg gagtgcggtg aaggcagaaa 180
ccagggtggc ttgaggctgg cctgcatcgg cgatgagatg gacctgtgtc tgcggagccc 240
ccgtctggtc cagctgcctg ggattgctat acacagactc gctgtcacct acagccggac 300
aggtgtcaga ggtattttca ggagcttgat tcgaagcctc accaacctca gggaaaacat 360
ctggtcctgg agagtcttga ctccctggcgc ctgggtgtca cctgaccagg accctgggca 420
gctgtttcca atggtgctgc tgggtcttct gctgctgggt ggggcctggt atttgcagct 480
tcagtgaagt gcagctt                                     497

<210> 1436
<211> 211
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 56, 58, 61, 128
<223> n = A,T,C or G

<400> 1436
aatggccccg gcgccgaaag aagattgcct gttagttctt tatcaatatc acggcngnac 60
ngagaagaga agctacagtg tgccttttgt ttggttttac caatgtgaag cagttttcag 120
aaaggagnac taccacagga gcctcgttcc aataaaaaga gtgcgtgcat accttttaaa 180

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211

gataagcacg tgatctagat cgaaaaaaaaa a

<210> 1437
<211> 222
<212> DNA
<213> Mus musculus

<400> 1437
aagctgggtg tgttggcaca tgccttttaa tcccagccat caggaggcag aagcagactg 60
gatctccagg agttcaagac cagcctgatc tgcatttgga gttccagtgc tgaatattaa 120
cccaaggcct tgtgcatatg aggcaaacac tccactacgg tatacattta gcctataactt 180
tgaattttta gaatagagat gttcaaactg caaaaaaaaa aa 222

<210> 1438
<211> 389
<212> DNA
<213> Mus musculus

<400> 1438
tgagattgtc tagccgctcg atgggggagtc cagaagaccg cctgtgtgtg tcagatcccc 60
acctctctgt agcaagagaa gtaactacag cgccttcaca gtcatgatga tgaaactggt 120
attaactgag tggcccttat ggatttttaa ctctaactca cagttagcca gcaagccata 180
tgtttacagt tcaacccaaa acccttcgtg ttgctgcact tcttgtgaga gggtgagacg 240
cctgttggtg cagagtggaa tacaagagtt acttgccgtg gaacacacct gcagcagagc 300
gagaagacgt cttaatttat cattggagag agatgatagt attatttata taggtagaat 360
aaatatatat ataatatat atattttgg 389

<210> 1439
<211> 117
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 46, 88, 89, 98
<223> n = A,T,C or G

<400> 1439
aactgagagc atactgccct gctggtagtt catacccatt cctgancaac actgggttttt 60
gccatggaat ccttagatcc agcgggggnt gggcagtnng ccactgttca aaattaa 117

<210> 1440
<211> 276
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 39, 40, 43, 47, 65, 119, 189, 210, 212, 219, 221, 228,
241, 244, 249, 250
<223> n = A,T,C or G

<400> 1440
cttacagagg ggatcttngg aagctgtgcg gataacaann gcncgangga gaaaacaaag 60
atcanaatca gttctccttc caagcactca gccaggccaa gccagaggtg actctgcana 120
gagtcacaac cccttggtct cctgcgtcag atgccacctc tcctaagaga gaactcacc 180
aagatgtgnc tgagtccaag ggaagtccgn gncctcana nacagaancg ccttcactgg 240
ncanctcann ggaacctttt cttgctaatac aagata 276

<210> 1441
<211> 427

- REPLACEMENT COPY -

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 106, 137, 148

<223> n = A,T,C or G

<400> 1441
 actgaggatt tgaaagtatt cttgagggct gtttggacct gcgttattaa aagatctcag 60
 tttattttaa gagtgtgacc ctgaaagcat ttctgattgg gccgtntgat gaaaattgtc 120
 tgttctgttg cttgaanaga gataaagnaa agggacattt agtcgggtctg gatgaaccag 180
 cttccggagc tgggcaagaa gctttgctta agcaagagca cgcaaaaatc attcgactcc 240
 agagacaagc agaagagttc ctcaatgcag tcttttatag aaaagggttg tttcagtggc 300
 aaacgacaca gctgtctgct tgtcatatat taatttcctt aatatagatg tcattttaag 360
 ttactcttca aatatttctg tattccttta tcacattaaa tttggaataa cgtaagaca 420
 aaaaaaa 427

<210> 1442

<211> 585

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 465, 478

<223> n = A,T,C or G

<400> 1442
 tatctgttcc caggatgagt aacagccacc ctcttcgccc ctttactgca gtgggggaaa 60
 tcgatcatgt gcacattttg tctgagcata ttggtgcctt gttgattggt gaagaatatg 120
 gtgatgtcac gtttgttgtg gaaaagaagc gctttcctgc ccacagggtg atttttagcag 180
 cgagggtgcca atattttcga gcattactgt atggcgggat gcgagagtcg cagcccgaag 240
 cagagatccc tctccaagac accacggccg aggctttcac gatgctcctc agatataatc 300
 acacggggcc gggcgacgct cactgatgag aaggaggagg tgctgctgga cttcctgagc 360
 ctggctcaca aatatggatt tccagagctg gaggactcta cttctgagta tctctgcacc 420
 atactgaaca ttcagaatgt ctgtatgacc tttgatgttg ccagnctcta ctcgcttncc 480
 aagttaaact ttgtatgtgc tgcatgttca tggacagaaa tgctcaggag gtgctggcca 540
 gcgacggcct tctctccctg tccaagacag cacctcctga atatc 585

<210> 1443

<211> 456

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 317, 327, 391, 419

<223> n = A,T,C or G

<400> 1443
 gactgaggtc ttgaatacca tcatggccaa accttacgaa tttaactggc agaaggaagt 60
 gccctctttc ttgcaagaag gagcagtttt tgacagatac gaagaggaat cttttgtgtt 120
 tgagcccaac tgcctcttca aagtagatga attcggcttc ttctgacgt ggaagagtga 180
 aggcaaggaa ggacaagtgc tagaatgttc cctcatcaac agtattcgcc aagcagccat 240
 accaaaggat cccaaaatcc tggctgctct cgaagctgtt ggaaaatctg aaaatgatct 300
 ggaagggcgg atattgngtg tctgcancgg cacggatctg gtgaatatcg gcttcactta 360
 catggtggct gaaaatccag aagtaactaa ngaatgctga acccactggg tggtaacctn 420
 cctgagcaag ctaagggagc aagccaggaa gctgag 456

<210> 1444

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<211> 199
 <212> DNA
 <213> Mus musculus

<400> 1444
 gactgagtat cgttgatctg atgggcccag ttcattatca gcttcaactg tcctgtgtcc 60
 tgaggctttc gaacattcct tgtcctgtaa ggaggtgaca gaggcagact gtgacccgga 120
 agacacttgt gattacctgt aacaaacgtt gatgttgaaa ctaataaaga attgttgttt 180
 ttttaagtcaa aaaaaaaaaa 199

<210> 1445
 <211> 183
 <212> DNA
 <213> Mus musculus

<400> 1445
 cctcgagaac ccaggcaacc acagacagac atcagagccc tgtctcgcac tgcttgattt 60
 cctcttgatc tcctttggca gacactcaaa tgcaatatga gattcagtga tgtaactagg 120
 ctgcggtattg tatacaactc actctttaat cactaaaagt aagaaaacat aacagaaaaa 180
 aaa 183

<210> 1446
 <211> 617
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 265, 269, 271, 275, 277, 285, 286, 288, 451, 521, 525, 549,
 552, 564, 576, 578, 591, 601
 <223> n = A,T,C or G

<400> 1446
 gcagactgag ctcttacttc tggggacgaa ggaaaatcca ggattaaaga caatccaggc 60
 caccctgtct aggcaaggga tcgaccatga gtatctttcg tcagtggatt taaagcaacg 120
 ctttccaaac attcgggttca ccaggggaga agtggggctc ttggacaaga ctggaggtgt 180
 cctctatgca gacaaggccc tcagagccct ccagcatata atttgtcagc taggaggcac 240
 tgtgtgtgat ggagagaagg taggncttnt nctancngga ctatnngnca cagtgaaaac 300
 caccttgaag agctaccaag ccaacagctt ggtcatcact gctgggtccct ggaccaaccg 360
 gcttctgcat cctctgggga ttgagttgcc tctccagacc cttaggatca atgtgtgtta 420
 ctggcgagag aaggtccctg ggagctatgg ngatatcaaa gctttttccat gcattcctggg 480
 tctggatctg gccccacca catctatgga ctggcagcat ncgantaccc ggggctgatg 540
 aagatctgnt tnaccatggt gacnatgtgg acccananga accgggactg ncccaaaacc 600
 nttttaagac cttccca 617

<210> 1447
 <211> 489
 <212> DNA
 <213> Mus musculus

<400> 1447
 aactgagagc gctgatacaa ggcattgcttg agaagtgtga ccgcttcctc tggctcgcagc 60
 aggcctagtt ggggatctac tttgaccaag tggaatcctg ctctcgaccc tgcagaggtc 120
 tttggcacag aagggaagag gacaccccaa aacatgctgc tgcagctgct gatgtctcat 180
 caccgccttg ccagcccttg gctttttgtgg ctctgtgacc tcagagtttc tcaaggaagc 240
 agtgggctga ccttcaactgg aagcagcctg gaggtgctcc ctgctgggtc ggattctttg 300
 tgtacaccat gaatcaggga attggtttct actgatgcag atctgtaggg agcagaagct 360
 ttggtacagg aagacataac taatattgta aactggagtt caatactttt tcttactgag 420
 ttaggacctg gaacaatgac atcattcctg ttggcttatg taataaatac tgaagatcca 480
 aactagaga 489

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<210> 1448
 <211> 172
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 38, 89, 147, 152, 155
 <223> n = A,T,C or G

<400> 1448
 ggtaaaatgc caatctcagg catcatgacc acaccagnag aagaactaca aggaaggctt 60
 tttcaccttt gacaccacgg acgcccagnc tgatctgttt ttgcacataa ttaaattgtat 120
 tcttctacgt ttatggcttt gagattnaaa anacngtgct tgtgctttgc aa 172

<210> 1449
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 33, 34, 36, 38, 65
 <223> n = A,T,C or G

<400> 1449
 tactggacca gagattattc gcccggaat tgnntncnct ccccttgct tcataactga 60
 gtgtngcaac agtaaaattg gagctttgat cagaaaaaaa aaa 103

<210> 1450
 <211> 196
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 32, 37, 40, 41, 43, 45, 104, 176, 177
 <223> n = A,T,C or G

<400> 1450
 gaactgaggc tctataaagg acatgggaag gnaggangen ngntntcttt gcctgcttgc 60
 tctcactggc attagagcct actgaggcag ggtgtccagc cgcngtacta aagagaagtt 120
 gagacatccg gccttgtgga ctatacagct actggattct tggaccttcc attggnttgg 180
 agccattggt ggacaa 196

<210> 1451
 <211> 366
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 318
 <223> n = A,T,C or G

<400> 1451
 gaactgagac acccgaggac tttacagtaa gaggccaagg gaaatgctga gtaagcagga 60
 agcggttgac ttgcccaagg tcaccaacac caaatggagc cgggtggaagt caaccaaacc 120
 ttgttctgct gcctgtgact cccagcctcc agttccacct gtgcgggttg gagggttggg 180
 aggaacttag cctgtaagac tctggcgagc cttagcttac ctgagtgttc acccctgagt 240
 gaacaacgca tgcagaaagc aagagggatt tattgttcca atgcattggg gtcaccctac 300

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atccaaagga gaggcggnga cctctcgcag cctgttttgggt aagtgttttat acacttttta 360
gagcag 366

<210> 1452
<211> 419
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 42, 171, 174, 203, 219, 231, 232, 238, 259, 315, 316,
325, 331, 359, 367, 376, 384
<223> n = A,T,C or G

<400> 1452
cctgacaatt gacaagatgg cntcttttatt gattgatcag anaccaattg gggacaagga 60
ccttcagcgt ttggacacac agattcacao ttttgggggc ccggattact tcaaagcatt 120
agatcccatc cccaacacat gtgttcaccc cccagtgtgt agtaggtttg nctntgaagg 180
cccaggattt ttatgggtcac tcntagcaga gtcaaagtnt gagaaagaga nngctaanga 240
tatgccctct gagccttcng gggaaataag ggcaaagtct caagtccttt tattatTTTT 300
ttttccgaga caggnnattc tatgnatagc nctgggtgtc cctggaactc attttatang 360
ccatggnttg gcctcnaact caanaaatcc gcttacctgt ggctgcaagt gcagggcat 419

<210> 1453
<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 131, 190, 217, 289, 299, 346
<223> n = A,T,C or G

<400> 1453
tttgagcctt gtatgttgggt tttgaagttg agttcagagg aggagagaat ctatggctgt 60
ttaaagaaat tatgagtcga ggatcacaaag ttcacatttt tttgggtgct ccagttgctc 120
cactgaaaac nacagtatca cagggaacag cttccttaat gtccactgcc aacgcctggg 180
aaaaagtcen actctcctat aaacagcatt ccttgtnctt gaaggctggg gatcaggagt 240
ttaaaaaatct ggaagactgt caagtccccc aaaggtcttg gccctccang ccttcttant 300
ggtgacgttt tgatgacttc tgtgaggagg tctgctcagg tggaanagga ctttaaacad 360
tctgcttcgg aagcacagag tgtgaaatcc ccacgttaac ctgagtata tgactagtgg 420
acaaatgtgt ggccttgggg acggagttca ccatttaccg cgaa 464

<210> 1454
<211> 440
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 361, 382, 388
<223> n = A,T,C or G

<400> 1454
tgaccaagta tgggtggctca cacttatact ctgagcactc aagaggatgg gcaacggaat 60
tgctgacccg agaggacagc ctgcgccgtga gttccagaga tgatccagca gttgaggtcc 120
cagcagagga gacttctagg tgaaccgcca cagaaaggat ggaagggtcac tttacaccat 180
gttgatctgc tgaaactgtg actccagtgc tcctgatcct gcttgcttgc tgtttatgct 240
ttgctgcacc agccactgcc cccttactat ctgggtaccc cgcagcagtc gatgcaacag 300
ccttgctcatc aagttctcag tggctggcaa gaaggccaat tggatagcca ctcttctctt 360
ntcggactta acacagaact gntgggttnc aaacaaggac ctttgcatatg gaaataaagg 420

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440

accctcagcc ctttcccatc

<210> 1455

<211> 203

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 32, 36, 57, 65, 80, 81, 132, 175, 176

<223> n = A,T,C or G

<400> 1455

ctctgctgag ccctgnctcc ttaagcaggc cngagntcga cagaactcgg ttgcttngct 60
gttangcttt ggagggaacn nagctgactg atgaggctga ctttgaactc aagagatttg 120
ctgaccccag tncgtctgga attaaaggcc tgatctacat tcgcctggac ctaannattt 180
tcatgatcac tatgcttcaa gat 203

<210> 1456

<211> 236

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 30, 31, 189

<223> n = A,T,C or G

<400> 1456

ctgccccacc ccttcttcat gtcccactgn nctagaatca gatctgcatg gctatgacat 60
gctcgccggt ttaaagatgc aaagatttca tgctagatca ttagaatgta tctggacttc 120
gttaggacaa gttctttgct agtaaccagt cacgtgctag caattgaggt gtgttaacct 180
gtatattgnt gcctatgagt aattttccat aatctttaat aaaggcttcc tgtgtc 236

<210> 1457

<211> 116

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 36, 44, 48, 55, 57, 59, 72, 92, 98, 99

<223> n = A,T,C or G

<400> 1457

gagccacaca ctgtgcacct ttntactgaa ccaganatta ttengcgnga atctngntnc 60
catccccctt cnttcataac tgagtgtgga gncagtgna attggagctt tgatca 116

<210> 1458

<211> 119

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 35, 40, 50, 52, 54, 55, 57, 60, 81

<223> n = A,T,C or G

<400> 1458

acactgtgcg cttttatact gtgccagaga tcntncggcn gggaatcggc tncnntnccn 60
cttgcttcat aactgagtgt ngcaacagta aaattggagc tttgatcaga aaaaaaaaaa 119

- REPLACEMENT COPY -

<210> 1459

<211> 127

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 26, 36, 45, 47, 54, 62, 66, 68, 69, 90, 107

<223> n = A,T,C or G

<400> 1459

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ggggagccac acactgtgca ccttnntact ggaccngaga ttatnncgc cggnaatctg 60
gnttcntnnc cgcttgcttc ataactgagn gtggcaacag tgaaatngga gctttgatca 120
agaaaaaa                                     127
```

<210> 1460

<211> 173

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 29, 34, 45, 64, 90, 97, 128, 131

<223> n = A,T,C or G

<400> 1460

```
gcaaaggctc atacacnctg caagtcttna tggnccttacc accanccttt ccagcagggt 60
ctantgcctt gacctggggt aggaccgagn gaaggangaa gagggtaaaa gggcacagac 120
ttcccccant ntgcctctaa taaaataaca atgctgattc aatgaaaaaa aaa 173
```

<210> 1461

<211> 443

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 59, 60

<223> n = A,T,C or G

<400> 1461

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ctaccctccg gcctctactt ccacgtgctg ggatcgtggg catgtgccgc cttgtatcnn 60
ctcatgtcac tttgtaccac tgcgtctagc tgagttctgc tgtcttgctt gagctgagga 120
tgtgaaaacc cttaaagagga agtgcactgt aaaggacttt ccttttgagg gcctcatcat 180
tctagaaggt tccttcccgc tgacctcctc ccccagggca gctcccctgc ggttggtgggt 240
gtgcacctgg tttctaccca cgttgctggc cagtttgctt aatcctgtgg cactgttatg 300
aaatcctaata tacaattaag aaaaaagtct gagcaaaacc caagatacct ccggatttta 360
tcatgatgct cattaatctc atcttcaaac ttaatgtcaa gtggtttgtct tttgcttttt 420
gaaaaaattt tttcttaaca tac 443
```

<210> 1462

<211> 118

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 43

<223> n = A,T,C or G

<400> 1462

- REPLACEMENT COPY -

acaccttttta acccgacatg ggaacgttca tgataggacg ggnaaaatgt gtcaccctgg 60
agaagtgggg aacaggactt attccagcaa gggaggagag ctttgtcgtg ctcgatgg 118

<210> 1463
<211> 157
<212> DNA
<213> Mus musculus

<400> 1463
acctgaggtc cctgttcggg cgccaaaatg ttgcggccgc cagcagctcg caacgtgaac 60
ggtttgactg agaaggccgc tcgagctgta agagaggaat ctagacgggg caaaagaaga 120
aatgtagcca agacagttac tctgacgaaa aaaaaaa 157

<210> 1464
<211> 260
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 29, 30, 31, 35, 40, 43, 46, 47, 48, 53, 66, 91, 93, 107,
172, 191, 198, 235
<223> n = A,T,C or G

<400> 1464
cctacagagt gagttccagg acagccntnn ntatnctgan aancnnntc ggnacttcca 60
gttctnctat gaaggatgtt gatggtttag ncncggggaa caagtgnccc tttccagttt 120
tgtccagacc ctgacgagga cataatggtt gttatcaata aggaaaaggt anaagagatg 180
gaacagctca ntgagganct ttaccaacaa aaccaggagc tgaaagacaa gtacnctgac 240
ctccatgagc agctacagac 260

<210> 1465
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 77, 92, 99, 142, 348, 352, 361, 397
<223> n = A,T,C or G

<400> 1465
gactgagaag agaggtggct cgccctgcatg tctgttgtct gcatgtctac ttccttggtc 60
tgtcactcgg ctgcacnttg acctcaccaa gntgaaagnc gacatgtgca tggcagccat 120
cttgtctgct aactgaactc cngcacaaca agatggaggt ggctggcctt catgtgacct 180
attgtttcag gtcgcttttg tttctccctt caccgggttc tagtggcccg gtttgcaagt 240
gcagaatggt gacgaggctc cctaaagcag cctcgacctt ccacagacag cctcacgttt 300
ttctcctact ttttccttat gcttttaaac ggcagactct gaattggnca anctaaaatt 360
nttttggggg gaaaattaaa atttttaatt taaaaangcc ttaattaaat gaaaaaaa 418

<210> 1466
<211> 518
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 85
<223> n = A,T,C or G

<400> 1466

- REPLACEMENT COPY -

```

aactgagatg tcaagggcct ctacacacat ctggaagtcc aggcattggcc cttgagaacc 60
gcgtactcac gcgctccagg aggcngactg cggcaggatt gccccgaaa gctgtcgcag 120
tgaacgcac tgcctatgaag attgggagct tcattttcct cgctggctct gtctgagggc 180
tccctgccct gctcggagcc cgtttcactt ccagctgtta agaagaagaa aaagttaatg 240
ttttactcca tgtatagacg tagttaatag ttaccagata gaaagtcatt gactccaaca 300
tactttgcac ctcaagatgt gcacaccccg acttttcaaa gcctctgcat ttaatttggt 360
ttaaaatact aactgaaatg aaacagtttt aacctttggc tatttgcccc tctaccccaa 420
cagaactccc caacataatc accctctgtc ccagagtagc tgacactagc tgtgacagtg 480
actttaataa aattcatgag acatctgaaa aaaaaaaaa 518

```

<210> 1467
 <211> 134
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 28, 39, 49, 66, 71, 76
 <223> n = A,T,C or G

```

<400> 1467
gacagtcact ttactgttta aagcgnntca aacccaaanc ggcaatgang gaggtggtct 60
ctgccnactg ntgatnaaca ggaagagacc gtgaattgag gccaccaaga acttgcagct 120
gaacaagatg gaga 134

```

<210> 1468
 <211> 204
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 21, 27, 47, 60, 66, 93, 104, 135, 148
 <223> n = A,T,C or G

```

<400> 1468
tgcttgcttc tatctgcnga ncccatntga agactgatgc tgtccgngtg cacatccggn 60
atgganctct ggtccctggg cttaaggagc ttncgggtgg ggcnacaggt gcagccacca 120
gaggaagggg attancgata gctctcanag aggagagcag gctgtcctgg gcattttaaa 180
aaatggcatt ttgaaaaaaaa aaaa 204

```

<210> 1469
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25, 30, 32, 36, 45, 54, 73
 <223> n = A,T,C or G

```

<400> 1469
cgtggcaacc atactggggg cctentatan cntgtnaagg aagantataa tcgntttgat 60
cttgaacttt acnatgaagc tgtaaaaatt atcaaaaaaa aaa 103

```

<210> 1470
 <211> 505
 <212> DNA
 <213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 45, 46, 440
 <223> n = A,T,C or G

<400> 1470
 ccctgaaatg ctctggaagc tatggaccag caagaccttc cagannagag agaacgatgg 60
 cagtgggtgag cgataaggcc ctaggtaggc taaagtgcc cggacaagat agcattgaat 120
 tgggcatctg tggctggctg acttataaat tgacctgata agcaggctct tggactggga 180
 tgaaagaggt gtcactgaga gattaatctg atggccttgg gctaccctgc cccggatctt 240
 tctgggagca gtgtgaagat ggggtgcttt tagaaagttt tatgttacca actgggcca 300
 acctttcaat cttggatttt aaaaacccca ttgaaacccc tttgccacag gaatggcatg 360
 tagctttctt agagttttatc tttccttaca cataagaatt cagagcctta gggagatggc 420
 tcagtgggta agggcactgn cccaagcca gaggacctga gttcgagtc ctgggacctg 480
 caatagtgga agattcctat aagtt 505

<210> 1471
 <211> 170
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 86, 87
 <223> n = A,T,C or G

<400> 1471
 gctcttggag ctggccaatg aggtggacta tgcaccctca ttaatggctc ggattatcct 60
 ggagagattt ctacaggggc atgaanngac tccaccaaga ctggagaaat gctactctca 120
 agtgcaaaaa tgaattctac caatgttcgt atgagaaaag gaaaaagaaa 170

<210> 1472
 <211> 123
 <212> DNA
 <213> Mus musculus

<400> 1472
 gaactgagga atttgatcag tttgatgaaa tttcattgat gtcaactctc cagctgtctg 60
 tgccttacca aaagctgttt gcctccaaga caacaaacag cccgtgtgat ccaaaaaaaaa 120
 aaa 123

<210> 1473
 <211> 452
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 31, 46, 47, 50, 56, 99, 105, 111, 121, 134
 <223> n = A,T,C or G

<400> 1473
 ggtgtaaggt ctectgnagc cacatctatg nagttacatg aagatnnggn cctgtnaaca 60
 tgggttcttg gaactgaacc caggtcctct gaaaggacnt cgagngctct naaccactga 120
 nccatctctg cagnctaacc ccattccctg gaggtgaag caaagcatag ttcaatgact 180
 cgtgcgacct ggctcttgat tgggcctaag gaaaagccga ctgtaagccg ggaagcatct 240
 ctggcaagaa caaggaagga ttaagcacgt ctgtggttgt gcgcagggat cacaagggtgc 300
 tcctgcagtg ggaagagcca ccactagggg cgctccaagt cttgtatttt ctaccttgaa 360
 aactcgtttc cctgtggctg cctccaaatc caacggagat gaatggcttt tagtttacct 420
 agctgattta ataaacttta aaaataaatg ta 452

<210> 1474

- REPLACEMENT COPY -

<211> 237
 <212> DNA
 <213> Mus musculus

<400> 1474
 gaactgaggc atgtcatgaa gctccgtgaa gacactttct tgctcatgaa gttcatgaac 60
 ccttcttgca cgtaatgggtg tggctttgggt ggcattctctg acgcaaggat ggacctctcc 120
 agagccaggc atgaggctag acaagggtgct tgccatcagc tccaatgccc cccgtgccaa 180
 ttcactcatc acaccagatc ataaaaataa atctttaatg gcttttagaaa aaaaaaa 237

<210> 1475
 <211> 343
 <212> DNA
 <213> Mus musculus

<400> 1475
 actgagtttt agaatgtcct gtgacctgggt atattaggga gagcaaaaat ggaacttgca 60
 aactactca tgccagccac acctacgaga agagtgaccc ctacagagag ccacacatag 120
 ttctccctga gctcagtgtc caggggtaat ccagagcctc gaggctgcca tcgggactgt 180
 aacggacagt gaagatagga tgaactgagc acaagtgaca ctattttcta aggcagacat 240
 agttggccca atcttttaggt taatttggat gttactttgt atttcataaa tgacaataaa 300
 tagtagatat atctaaatta tgtttgaagc aaaaagaaaa aga 343

<210> 1476
 <211> 262
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 21, 56, 57, 100, 102
 <223> n = A,T,C or G

<400> 1476
 aaaagagatg cagaancctg naaaccttcc aaaggaggga aaagaacagc actcannaag 60
 gaaaagaaat gatggagttt ttctcttccct gagtccttan gngtcagtgg tacagtgtag 120
 acaaaatgat gacagccatt aatgtaacct ttgagaggag ttgtctgtcc cgcctaagcc 180
 gagcagggtt catcgacctg atcttagtag tttctagaat tcgcctaaca ctgtgtgagg 240
 gtttcatgtg aaggatgtgt ag 262

<210> 1477
 <211> 428
 <212> DNA
 <213> Mus musculus

<400> 1477
 ggagaggctc ctcaagggtg tatcctgcta ctgctcccca aggccttgac caagcatagc 60
 cccccagggc tggactacac tgttgaagac ctggcacagt cagatttcag cctttttatg 120
 cctttcatgc cccccactcc cattctttct ttaaatctga ctagtaactt ataagaggga 180
 atggattcca tggatatactg gctctgtcac tcaccagctc agccttggtt cttccacggg 240
 cctggcacat taaggggatg gccacttgcc tgccaccaac caaaccaaca tggcaggagg 300
 caaaaccccc ttagtttgaa tggccaagtg atatattttc tctaaagaaa gttgccagga 360
 tcctctttgt aacttgtgac atgaatcaga ataaagaatt ccctctgtcc tgcctgcaaa 420
 aaaaaaaa 428

<210> 1478
 <211> 201
 <212> DNA
 <213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
<222> 44, 90, 170, 173
<223> n = A,T,C or G

<400> 1478
ctgactgaag tgtgcaaagg ggctgtccca cgaaccataa aacntcatgc ccacccagat 60
catccctgtc accactctag agggaaacagn tatttatattt gctatggaca aagacaaggg 120
agggtgctag ggaatgattt tgtttctata aagaataaaa ttgtgtccgn gngtgtttcc 180
cgggagacag caggaaaaa a 201

<210> 1479
<211> 356
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 47, 81, 117, 134, 201, 229, 237, 240, 258, 266, 268, 269,
276, 280, 290, 291, 301, 316
<223> n = A,T,C or G

<400> 1479
gactgagact tgtatcggtg tgattatact gtttagatga aaatgtntgg taaagcacgt 60
gcttctagga aaaaacctca ncagctgaaa agaagtttga aacaacagag ccaatanagg 120
aagcggattt gccngagaat gaggttgga acacagcaaa aagaaacaga agtcatgcaa 180
agcatctgtc ctctaaagta ncaggacaag caacgtatat tcattctana cggatanaa 240
tatcatccag cagaganaa acctgncnnc ctcttncaan ggatactgan nagtatttgc 300
naagtatgat ggagtnagtc attcttgga ttttattcaa cataaaaaga aaagaa 356

<210> 1480
<211> 105
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 44, 49
<223> n = A,T,C or G

<400> 1480
gtagcttctt gtggaactct caaaggctcg acaggggggg tggntgggnc catatatcta 60
ctgcctcgaa tcgatgaatt cgagctcgg acccggggat cgaag 105

<210> 1481
<211> 131
<212> DNA
<213> Mus musculus

<400> 1481
tggaagctgc acctttcagg acagtgagga aaacccttag tgtctctgca ttttgctttt 60
taagcgggaag tgtattttta ctgacacatg tgatgaataa agcagcttgt ggttttggtg 120
aaaaaaaaa a 131

<210> 1482
<211> 303
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 130

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 1482

```

gggaggagcc gacggccatc tctttcacca ggagaaccaa gtagctccct taacctcagc 60
ctcatgacca tgtttcagca ctgtcttaga cttggctttt cagactcagt tctgcttcac 120
acactggggn ctgcgatcac gcgaggaagg gagcttatta gtaaattccgt gtggagacca 180
cagcccacac catcagtgag aatcagcgtg ggaccactta ttcctgggga cacctgaaca 240
tcaacaaggc aggtgactga cccaaggac tctcagcaca acacagacag caagaaaaaa 300
aaa                                              303

```

<210> 1483

<211> 554

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 26, 35, 49, 55, 58, 59, 60, 65, 77, 86, 94, 97, 102,
106, 110, 127, 129, 130, 143, 148, 165, 167, 180, 187, 191,
194, 195, 218, 246, 261, 288, 289, 291, 308, 310, 319, 326,
345, 358, 372, 409, 422, 445, 450, 471, 473, 482, 490

<223> n = A,T,C or G

<221> misc_feature

<222> 500, 513, 519, 529

<223> n = A,T,C or G

<400> 1483

```

cttatacctcg gaactccact tccngncaag accanacatc ttctccctna acatngggnn 60
cgcgacttta gggctcnact tccccngcca gctnctntac tntatnttan ataattggctt 120
ctacatnann tcctcgacga agngtaangt ccatccccaa caggnantac attctctccn 180
aggattncat nctnnaccat taaaatctcc aatgtctnct gggaggcctc tacgtctaaa 240
atcaanatcc tcttcgacac naaccttcat gagcatgtat aacttttnnt nactgtttca 300
tcacttantn cattctganc ctctnaacc agcacatctg ccctntgctc taccatanct 360
cggacagcat tntcaattc cctcctggac acattgcccc tccccaacnc tgcggatgat 420
cnccagctca tcgactacta ccttntgaan gaccctgtat tctccaacgg ncnacctttg 480
anatctgaan tccagagatn attcttccct ttnaaggang acaactacna tccttcccaa 540
acaaggcggc cgaa                                              554

```

<210> 1484

<211> 243

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 91

<223> n = A,T,C or G

<400> 1484

```

gactgagggtt ggtgttctca ggactctttg gctcaaattg ttctgcctga accccctgag 60
tgcttgggtc tacagatgta ccctgtgtgc ntggctctgc tgatattgga ttctcaaagg 120
aaaaccattg actttgaaga gtgaagcctg gatgttttat caatgtttta atatgaaaac 180
tcaaattctat ataaaatggt cacaatatagg aaaataaatg tccatttaca tttcaaaaaa 240
aaa                                              243

```

<210> 1485

<211> 311

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 16, 21, 35, 52, 59, 61, 69, 77, 79, 87, 119, 126, 136, 143,
151, 164, 168, 183, 202, 212, 222, 249, 253, 256, 291
<223> n = A,T,C or G

<400> 1485
acattacagc tccgcnccttc ntggaaagtt tgctncaggt ccctaacatt gntgaagant 60
nactaatnng agactananc tcaagcncctt gctgcctggg tcaactcctag gtttagctna 120
attgcncctac acatanatat gcntagggggg ncatagatgc agngncanct tagcagttca 180
ggncacttgc tgtttaatat tnaagactgg anctgagatg gncaaccatt cacaaaccta 240
taatttcanc ttnaanagat ctaatgccct cttctggcct ccttaggcaa nctcatatcc 300
tcatagagat a 311

<210> 1486
<211> 117
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 38, 39, 58, 67
<223> n = A,T,C or G

<400> 1486
atccccaaac atacacattc aggggggggat gggaacannc atgggtggatg cgcctcangg 60
ccacggncca cgtctgttgc aataaatctg cagctctgct tcttgcaaaa aaaaaaa 117

<210> 1487
<211> 463
<212> DNA
<213> Mus musculus

<400> 1487
atatgctcac acgatctgaa attcgctgct gtgaaaacag aaggaaacgg tcctgtcagg 60
agaaccagcc cctgcagttc cctaaggctg gcacaatgga ggaagggttc tctccgcctg 120
agttcctacc tcggtgatgg actccgtgat ggactatgat cctgacaccc acaactaaga 180
tccggcaggt gcttgcagac agtgacatct tgtgggaaat ctcaggaact gcaccgtggc 240
aaatcgctgc tccttttact gtgggggtcct tggaataccc agtcaacatc aaggaagcat 300
tcattcattc actgccttct gtgtacaagg aactgatcca agtcctggaa taaagaaagc 360
aagagagact ggatggctac acgggggagtg aaaaaattcc caaggattat aaccttgtca 420
ttactgctca actttaaata tatttttgtgt gtgtgaaaaa aaa 463

<210> 1488
<211> 124
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 30, 31, 35, 45, 48, 51, 52, 56, 60, 103
<223> n = A,T,C or G

<400> 1488
cttggttccc ctgctctgac agatngaacn nagentcacg gtgtnggncc nnctgnctgn 60
ccatcccgtt gataaattga ctatgccaat aaattaacat tgnttcactt tcgaaaaaaa 120
aaaa 124

<210> 1489
<211> 278
<212> DNA

```

- REPLACEMENT COPY -

<213> Mus musculus

<400> 1489

```
tctgccccag aggttacatc aattgaactt ttaattaagt tctgctgatt ccttgctcct 60
gtatcttcag tgaaatgtgc cttgtgctcc cacacgtcat caacctaaaa agaagtcctt 120
agtgaggata aactagtgtt tcataatttt gtttcctttt tctctttctt cagttccttc 180
tgtattcaag gggttaagga acccggggca attatcttgg agacgtaatt tttctggata 240
tcaatcaata aaagcaaata tgatttgaaa aaaaaaaaa 278
```

<210> 1490

<211> 110

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 34, 40, 41, 45, 50, 59, 65, 76, 80

<223> n = A,T,C or G

<400> 1490

```
gaccctgctt acttggctga actacggaca acancatatn ntgtncttan aggcccttnc 60
gctgntccta acaacncatn ctggggcccga actgtggctt ccataaattc 110
```

<210> 1491

<211> 156

<212> DNA

<213> Mus musculus

<400> 1491

```
gcacgtccgt gaagcttccg ccatgttctc tgggcacagc tgacaggagc ccctccatca 60
tgaacacagc ctctccaact atcacaaaca aaactagttt ccaaagacat cttatttcct 120
tgcgctataa agtatagtgg catcagaaaa aaaaaa 156
```

<210> 1492

<211> 432

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 32, 58, 94, 104, 142, 162

<223> n = A,T,C or G

<400> 1492

```
ataattcctt accatctttg tcanaatttg gnatactgcc aaaacctgtg tctgtggnaa 60
aattttgtct ccaatctttc attcaaggga acgnactaca atgnaaccta cactctgttg 120
cgcacactgt ggtcttagta gnatagtatg gggaagaacg gnaagctcct gttgtctctt 180
acttttgttc tctaacctgt tttgtaaagt cctctgatat gttgaactaa ttaatgtaat 240
atcaggaaag gtttctagga tgtatatcag ttgagtattc atttatgctt taccagtaac 300
aaattagaga aagggaagc attttgtata tttgtatggg aaggaaaatg tatattatgt 360
tagcattttc aacatttgga ctcgaatttt aatttaatta aagctgaatt tagttttgga 420
agtaaaaaaa aa 432
```

<210> 1493

<211> 300

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 42, 44, 51, 67, 98, 102, 105, 111, 113, 116, 118, 120, 125,

- REPLACEMENT COPY -

134, 142, 145, 177, 213, 253
 <223> n = A,T,C or G

<400> 1493
 gggagaaact cactcgccaa acaacgtctc gtggtatcct gncngactct ngccgcttca 60
 gcatgancct ggctgctcct gctggattgc gctactgnta cngantcatg ntnggngntn 120
 gctantgaac tggncctgctt anatnctgac acggaagagt ggaatgcgcc caaagcnagc 180
 acttctaata aggtccacaa ctccatttgc ctntaacctt gctttttccc tacctctggt 240
 tgggtgggcta aangggaggg ttaagaaccc caaataaaga cagatgtgaa aaacctaata 300

<210> 1494
 <211> 377
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 82, 85, 132, 336, 360
 <223> n = A,T,C or G

<400> 1494
 tgcatagttg aagaaggaaa gcaaaatggt aatggaacga agtccaagaa ggctacatct 60
 cttttaactc agagtgggtt anctngcatt gctccagctg aagagcccag gagcccagaa 120
 gaaaaagacc ancaaggcgc acaaaaagca gaaagttaca gaggaatgtg aagaagcaat 180
 tccacaactg gtaccaatag gagagactcc agataaagaa aatgtaaaga tgcaagaaaa 240
 tatcacaggg aaaactccaa aatcgaaatc tgatccaagt acacctaagg gtaagaaaag 300
 gaaggccttg ctggctacag agactccaga agcctncggc cctgggggacc ttcagggaan 360
 gaaggcataa taaaggg 377

<210> 1495
 <211> 318
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 68, 82, 95, 118, 119, 121, 126, 129, 133, 136, 138, 146,
 150, 154, 162, 175, 179, 207, 208, 212, 216, 227, 241, 271,
 285, 298
 <223> n = A,T,C or G

<400> 1495
 aggttatccc ctaccccatc attgtaactt aaactttcat gtacttgtaa gtaaaatcag 60
 gtactcgncc agcttctatg gnttctgtat ggggnaagtc gggctgggca ggggaccnnc 120
 nctacnggnc ggncnntt ctgacngccn gtcncgtacc cngtaaagag ttganccant 180
 agaaaaggcc tccagcacta caagtannnta ancatntagg ctccccnaac caccatcaac 240
 ntgtagcact ctgccaccca tctctcccca naaacatcac agctntagggt agcctcancc 300
 aacagtcctg tcttttgt 318

<210> 1496
 <211> 228
 <212> DNA
 <213> Mus musculus

<400> 1496
 gctgtcaatc cgctgcggca tggatcgatt caaggtgttt gccaatggca ttcacctttt 60
 caacttctcc catcggttcc aagctttacg aaagataaac acgctggaga tcaatgggtga 120
 cctcaccttg tctacgtcc acatctgagc tctcctggg gaaggaagca aaagatcccc 180
 gagttccatc taagctccta ataaaatgtt gaaggggaaa aaaaaaaa 228

- REPLACEMENT COPY -

<210> 1497
 <211> 162
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 33, 46, 64, 130
 <223> n = A,T,C or G

<400> 1497
 tgctacctgc tgggaggccc tggagangct atncctgaga ctattnctga gactacaccc 60
 tatnctgcag ctgggctcca agaattgaatt ggcaggaatg ggcctcccct ccacccttta 120
 taagcgcagn tgccattaaa catttgagcc ttgcttgatc ag 162

<210> 1498
 <211> 258
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 103, 119, 130, 137, 158
 <223> n = A,T,C or G

<400> 1498
 ttttagagta tcaataaaaag actggggaca tgaattacgc ctgagcctgg cctgacaccc 60
 caaggatgtc aaggaggatc aatgttccag agataagatg canagtgtcc gccgcctana 120
 gcctgacttn tgccctnatg tcagcagatg cccgcttntt tggctcttgt taaattcccc 180
 ctgacccct tcctattccc cgtgatgcat gctttaaaac aaggcacctc agcataataa 240
 acggagacct tgctaggg 258

<210> 1499
 <211> 810
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 479, 489, 490, 520, 542, 575, 587, 590, 592, 599, 607, 608,
 614, 626, 631, 638, 641, 642, 646, 650, 654, 658, 662, 665,
 669, 672, 673, 676, 680, 681, 685, 686, 688, 698, 701, 702,
 703, 704, 708, 709, 710, 716, 717, 719, 727, 730, 736
 <223> n = A,T,C or G

<221> misc_feature
 <222> 738, 743, 745, 746, 748, 751, 753, 760, 768, 769, 770, 775,
 781, 789
 <223> n = A,T,C or G

<400> 1499
 gaactgaggg attgcccttc tctcagatgt gtaccctgaa gaaatcttgg ttgatctgtt 60
 ggccaaatat gacagtggga aagacaagca cactcctgag accagaatga aggttggcga 120
 ggtcctgatg cgagttgtca gagcactggg ggacatggtc tcgaaatacc gggaaccttt 180
 gatccacacc ttcctgcggg gagtgagaga tccagatgct gcacacaggg ccagcagctt 240
 agccaacctg ggagagctgt gccagtgcct gcacttcctg ctgggccccg tggttcatga 300
 ggtgacagcc tgcctgattg ctgtggctaa gacagacaat gatgttcaag tgcgcagagc 360
 tgcagtccat gtggttgtgc tgctgcttcg gggactcagc cagaaagcaa cggaggtgct 420
 gagcgacgtc ctcagggatc tctatcactt gctgaagcac gtggtgccgc ttggacctng 480
 ttgacgtcnn caaagcctgc atgcccagct gcccttggan gagcttcgat gagatcattg 540
 anggaacttc ctgttcccct gcccacaataa gctgnagaaa gaaaganttn tnggtcctng 600

- REPLACEMENT COPY -

```
ccattannac cctnggtttc accaangaac nattgggnaa nnaaanggcn ccgngtgnaa 660
anccntaanc cnngcncaan ntggnnantt tgggtgtanac nnnnaccnnn ttccanncna 720
atgtgcntgn ttttcnanct ctngnnentt ntncctttgn ggtggccnnn taccncttgg 780
naggggctnc tcggcttatt taaacccctc 810
```

<210> 1500

<211> 384

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 36, 38, 47, 48, 49, 71, 73, 138, 139, 142, 145, 147,
204, 225, 245, 290, 308, 361, 364

<223> n = A,T,C or G

<400> 1500

```
cccccaatgg atggactttt aagnctgaaa aactgnanga aaccctnnng tgtctgcata 60
agcaactcaa nanctgtttt gctctgccgc ataagcaagt tacagcagca aacaagtagt 120
tggtcataac ataacacnna antgnanact gccgtaggtg tgtgtgggggt tgggggcatg 180
tactgagtc caggttactg ggantttatc ttctagggac tggantcaaa aagacaaaga 240
gctantgggt accaagctgg atgcctatca taaaatggag ttacagtacn atcacgttgg 300
ggaccccnca gatacacaag tgcttgctct ttaccgcttg aaaccctca cacctcaatc 360
ntantataca aaaaggattt ttgg 384
```

<210> 1501

<211> 101

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 82

<223> n = A,T,C or G

<400> 1501

```
gaggctctcc cttccggagg ggcaagtgtt tccggacctt cccaaagtcc ttgaagtgat 60
cttttcataa gtaaattctg gngaactttc aaaaaaaaaa a 101
```

<210> 1502

<211> 254

<212> DNA

<213> Mus musculus

<400> 1502

```
agaactgagg tgtgtgggtg ttttcccttc atgtatgtct ctgccccaca tgtattcagt 60
gtccatggag cccagaggag ggtgatggat tctctgaaac tggaggaaaa gtgacaaatg 120
tgttgtcaca agaagagcta gtaaggaatt actgagccaa aatcaattac caacgcgtct 180
caggaaaaca ccatgtgtta gacagcctgc tgcagataac ttggttttga taaactcaaa 240
gtccaactca taat 254
```

<210> 1503

<211> 324

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 31, 38, 58, 76, 81, 101, 126, 132, 142, 170, 175, 190, 207,
211, 224, 227, 238, 240, 243, 245, 255, 261, 270, 282, 288,
289, 295, 298, 305, 306

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 1503

```
ctgaagtaag agcctgggca ggaggccata nttacttntt gttggaactc tcaaaggncg 60
gacagagaag catggngtgg ntccatatat ctactgcctc naatccgatg aatttttttc 120
tcggtnaccc gnggatcaga anttcctatt cggaagtcc tattctctan aaaantatag 180
gaacttttcn acctgcaagc atgcaanctt ntacctcgac gtcnaanaag ggactgangn 240
ctngnataaa agggnaaaga ntcggatgcn gtgtcccaac cnatgganng tttcntangg 300
gggannaaat aaccggggcc ggca 324
```

<210> 1504

<211> 381

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 27, 28, 45, 57, 61, 71, 77, 86, 94, 95, 128, 129, 149,
178, 215, 225, 250, 258, 263, 271, 272, 277, 299, 306, 315,
338

<223> n = A,T,C or G

<400> 1504

```
ccctggggga accccccccg atgatnnnga ggatgacacc tccncccc ttgttcnaag 60
nggattaaga nggaccngga catacnggaa catnntgcta ttagagtcga caagccggtg 120
ataatggnna ggaaccaagg cagcttctna tcccccaat cgtgaagaga gtcccaanaa 180
agcagtttaa cccccgagtc ctggctgaaa caaanctcca attancccggt ggggttctcc 240
caaggggggn gattttttnaa gngtgccaa nnccaanac cttactccca ttttaccanc 300
tttttngaag gaggntcatt tttacagcct ccaaaaanag gggaccctct ccgacttgat 360
ggcctaggca tcctcctttt t 381
```

<210> 1505

<211> 217

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 146

<223> n = A,T,C or G

<400> 1505

```
ttgaatttca tacttagtta ctgtatgact ttaataacac cagctaattt cagtacttat 60
ggtttttagc tggtttcctt attttgtata ttttttattt gtaaataatta aaaataactc 120
tagtttcatt tgttcattca gaaganaaaa taattttgat tgctgaatgt atctgaagta 180
atccctgcat taaaatcatt ttctatcaaa aaaaaaa 217
```

<210> 1506

<211> 215

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 72, 73, 74, 78

<223> n = A,T,C or G

<400> 1506

```
atcatccctt caattggggc ccaaggataa aagaacaaga gaaagccaga taagatgatc 60
tctactctct gnnngggngg tctactgaag tctgaaggat cccgggcacg ggttcctgct 120
gccatgtgct ccaccatgcc ttgtgctgag atggattgta ccctcttaaa tcacaaactg 180
```

- REPLACEMENT COPY -

taataaaactt cttccttttaa gtggctaataa aaaaa 215

<210> 1507
<211> 354
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 86, 89, 90, 165, 246
<223> n = A,T,C or G

<400> 1507
gactgagggg gccccctgat ggaaaagcac naagaagcat gagtctctcg tcccatggtt 60
cctcacagaa ctgattctga cagggaann gctactcttc gagccttctt tggaagactt 120
tctggatggc atttctgggg caattaatca ctttgaaaac acgngttgt cagttcctaa 180
tctggtgcct gactcgtact ttgacgcttt caccagcccg ttcattaaca agaagggtga 240
gggggngacc tgcggggcccg ggcccaacct gtcagccgtg tttgaggatg acaggaactt 300
tctcaccatc atcatgcaaa taaaggtaga gtcactttta ctagaaaaaa aaaa 354

<210> 1508
<211> 220
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 22, 36, 58, 63, 77, 88, 89, 118, 138, 140, 142, 159,
166, 168, 171, 177, 183, 193, 204
<223> n = A,T,C or G

<400> 1508
caatgaaatc ctcggtntac tnagtgaggg tcatcncacc gcatctggta aagggatnat 60
ccnccagcat cattggnact atcctcannt catgtggaat ccgaattact gccatcanaa 120
ttcaccccta tatgaacntn tnagtcttct atcctcccnc tgtcangnag naagcgnccg 180
tantcttttt tagnaactgt tccntcgatc tcgaaatccg 220

<210> 1509
<211> 455
<212> DNA
<213> Mus musculus

<400> 1509
aagacagaat cgaaattgaa agaagaaaac acatggacca gggtgtggta ctgtgcccga 60
agcgccagga tatcttgctg cgtcttgggc agcctgacct gggaggcccg gaaatccacc 120
ttctgctgct tctcggcctc ctgcttcgtg cggaggaggc tggttctccga aaacttgaac 180
acctggtgca gatggttctt cagctcctgg atcaciaagt tctccttctc cacctaggcc 240
aggacgaatg aggacagggc cctatttaat agccacgcag tcctcccact cccagtcaca 300
ggacagctgg cctttgggtg tgcccctccc ctaggggctt atgcgtctct ccggcctggg 360
accacatgct cccctcccct aggaaagggg ttggccaagg cctacagggc aaatccagcc 420
agccatagct gtcaataaag tattattggg acaca 455

<210> 1510
<211> 223
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 90, 156
<223> n = A,T,C or G

- REPLACEMENT COPY -

```
<400> 1510
gttgcaaagc ccagaagaaa gaaatggaca gcggaagaag tggttgtttt tttttcccct 60
tcattaattt tctagttttt agtaatccan aaaatttgat tttgttctaa agttcattat 120
gcaaagatgt caccaacaga cttctgactg catggngaac tttcatatga tacataggat 180
tacacttgta cctgttaaaa ataaaagttt gacttgcata cac 223
```

```
<210> 1511
<211> 169
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 21, 28, 48, 71, 86, 90, 98, 99, 111, 124, 136, 137, 144
<223> n = A,T,C or G
```

```
<400> 1511
ccgaccctcg ccctgtgatg nggcctgncc atcctcagga ctaaccgngt ggaggtaccc 60
attgagtgcc nataccccag gcaggncaan gcgagcannc accctatcca ncccacctgg 120
gttncccttca gagccnntga gcantcacga ggataaactg gctttctct 169
```

```
<210> 1512
<211> 267
<212> DNA
<213> Mus musculus
```

```
<400> 1512
actgagttaa atgagctagt tgtgggagac accagcggga aactgtccgt gtataagaat 60
gacgacagcc ggccatggct tacctgcttc ccaaacaatga ctgcctgtcg gaaactagat 120
gctcacagtt tgtcttacat gatggtgcac cagtgtactc ccagttcttg agagaaagat 180
catgagtcca aagccagcca aggctccata gcaagtttga gaccagcgtg ggtcacattt 240
ggagatctga tctcaaataa aacaaaaa 267
```

```
<210> 1513
<211> 214
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 28, 35, 41, 62
<223> n = A,T,C or G
```

```
<400> 1513
gatttgcctg ctctatgcac cactgtgngc ctggngcctg nggaggctgg aggacggcat 60
gngtcctctg gcactgtgac agctgtgagc tacagtgccg tgctgggatt gaacctcagt 120
cctttagaag agcagccagt gctattgacc actgaactat ctctctagcc ctcttaaaat 180
aaatttcttc atgatttatc cgtaaaaaaa aaaa 214
```

```
<210> 1514
<211> 271
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 25, 29, 43, 46, 47, 62, 67, 100, 125, 126, 129, 230, 231,
237
<223> n = A,T,C or G
```

```
<400> 1514
```

- REPLACEMENT COPY -

```
gcctaacagt gtcagatgcc cagcngaang cacaaacctt tgnngnnggt gctatcactg 60
antaacnatg ccaccatatg gaaacgcctc cagcccttgn ggaccaagaa agggcaggaa 120
actgnnganc ctttcagctg gacccctgct gcccgctcctg catgtgcca ttaaactgct 180
ctttggctgt gagcttgagg ctgtcctaca agatcacctg tataacccan ncttcanatg 240
catctgcctg atgaggccac agcctctggg a 271
```

<210> 1515

<211> 460

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 76, 94, 95, 111, 114, 136, 143, 155, 170, 192, 280, 314, 354, 356, 424

<223> n = A,T,C or G

<400> 1515

```
ctccttggct ccagagatgg ccnaacaaac ggagcctgcg gtgattactc cagccatgct 60
ggaggaggag gaacanctcg aggctgcggg actnnaataa caaccgagtg nttntggaga 120
tccattccct catggngcac cantgtttcc acanggaata ttttgacagn ctgctgcatg 180
cttgcaaacc gngtcacttg cgatgttcca accctcctgc aacctgtcag ccttactgtg 240
atccaagcgt gaccagttca gtgaaaggga cgtacacggn gctctggatc ttcttggggc 300
tgaccttggg cctntttttg gcacttttca caatctcatt ttttgtgagg aaanangaac 360
ccccgaaggc ccttgaaggg acaaagcctt aaaagcccca aggtcaagct ttgacgggat 420
cggnttcagc ttggacaagg ccgacacccg agcttgacta 460
```

<210> 1516

<211> 298

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 34, 71, 76, 77, 79, 80, 88, 89, 97, 99, 100, 102, 103, 117, 122, 128, 145, 153, 230, 238, 239, 263

<223> n = A,T,C or G

<400> 1516

```
tctttccaac gagegntccc catacaatga caanacattc ctcaacctca tggacctttt 60
aaataaaaaat ntttannann gtgaacannt atataannann cnatgtaca acctatngcc 120
cncgatcntg aagtacatac ctggnaagca tanagaattc tcaaaaaggc ttggtggtgt 180
taaaaacttc atcctagaaa aagtgaagga gcaccaggag tccctggacn ggggggggnc 240
ctcgggatta catcgactgt ttnctcagca agatccgagg aggtatagga cttggggg 298
```

<210> 1517

<211> 102

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 84

<223> n = A,T,C or G

<400> 1517

```
ggcaagtctc gaaattcgat atcaagctga tccggaaccc ttaatataac ttcgtataat 60
gtatgctata cgaagttatt agnccctcg acaaaaaaaaa aa 102
```

<210> 1518

<211> 200

- REPLACEMENT COPY -

<212> DNA

<213> Mus musculus

<400> 1518

```
aaccattcct ggaagaatga agatgtcttt gaagctatgg gccccgtcct cttccagtct 60
agctgcctct atgctgcaaa tgccaggaat cttgagagct gccaatgttc agtcattctt 120
accctggcct cctttctaag tctgtcccca ggggtggaaat gtggagatct gccttagctt 180
tgatgctgaa gaaaaaaaaa                200
```

<210> 1519

<211> 663

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 455, 561, 569, 583, 604, 610, 614, 647

<223> n = A,T,C or G

<400> 1519

```
gatattgtga aactatctgg tttaaagtaaa acagaataga agaaccagag tcactgtctc 60
acttcccagg aagagtccag ctgctgaccg tatccacccc caccctactc aggcgccttc 120
cttcctctcc ttctcaaacc gtgcttctag actccagccg ctacatctcc cttctgcgaa 180
gtcagaaaag atgccacaca tccccctggc tcttaccacg tgccttcctt tataagaacc 240
ctgggtctca gactgagca gcatccgtcc gtctgtccgt ccgttcttca gccttcacag 300
gtgggtcttct ctgggtctca ttccagcagg acaggctctc ctcagaaagc aacgctggct 360
cacggaggcc acagctgcct gtgctaagtc ctccttatgc cagttccagc caagctccag 420
ctgtctagca cctctgcac caaagttcca ctgttctatc ttctcttgc ttttaacatc 480
tacaccaatt aggtcttctt gtcttgcaca acccttctc gacaactcgg ggactacaat 540
caccactaca cactggaagt ntgatattnt cttctctcca ttngttacct acttcaacag 600
accngaattg cttnttgga gccagggatc caaccagaga cttggantct ccatatcccc 660
tgg                663
```

<210> 1520

<211> 418

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 357, 390, 399

<223> n = A,T,C or G

<400> 1520

```
agggtatatg agaaatcggt acttctatct ggccttcac agctgacttt tgaaaatcct 60
catgagatgt gtttccttaa tgcggttcta tttggcatct gtcttaattc ctttaatttc 120
actgcccacc cactcaacca agctgttgtg ggtggccagt ttctctccat cattagtgat 180
gtgtagtctc tcagagactg attactgact cctgtttaac ctctactgcc agaaaaatgt 240
taccttatct tttcttaatt tgccttgcct tttattaaat gaataagtag agaaatgtta 300
gtaaaatggg aaaagggaat cacgtgacat tcagggtagg aagagcttgg atgctgnaaa 360
atggatggct ctctaacttt ttttttttcn gactgattnt tacagcaggt ttaggtat 418
```

<210> 1521

<211> 443

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 379, 388, 393, 398, 402, 407, 411, 426

<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 1521
 actgaggaca gctcgggaac cacgtggtct aagcccgtgg tgcagttcac tatcacggac 60
 aacagagggc gctttaccct taggaaggca gagccagttc ctgtacccca gtagccctta 120
 cagagaccgc acaggaggcc tggatggagt cttccattgg gaactgcagg ggaaaccatg 180
 ccctggctgc ggaaggctcc ggctgatgct ggacagagag aaggagtatc tttgctgaga 240
 caagccatgc tccttcctgc tgatgatcca gtcaccgggg gtggttggaa gatgctgtcc 300
 ttggcctgag cagcccacaa cctcatctgt tccccagac attcagggat ccacttacca 360
 atatgacttt cccaatgtng aacatgcnta canggcanca anctttnagg nttacggctc 420
 ctgganaatg gggttatcct gaa 443

<210> 1522
 <211> 519
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27
 <223> n = A,T,C or G

<400> 1522
 gagccacacc cagcacaggg ccaagcncaa acacaacatc acatgaacga ggacagtgag 60
 tcacttgagg tatggagaga cgcaagagga tcataagttt gaggccaccc tcaggaacac 120
 agcaagtctg agggcagccc gagccacaca cgcttcttac caagaaagga tgaagccaat 180
 gttcccactc tatectaata taggctgcca agcacaccca agaattgtgc ctgtgacccc 240
 aactagaag accttgacac tcagtatgat cgcatacaga agcctgatct ataccgaagg 300
 gtgggaaccg catcactgtg gtctctaccc atcatggaga ccctctcact cactcactcg 360
 cccactcact cacagtgtga ccttggggaag ccactgaact gatctagtct ctctcccata 420
 aaatggacta atgggttgcg ccccccgag agcttggcag aagggttaaa attaatatgt 480
 actgaatgct attgattata taaagggtatt atatgtgaa 519

<210> 1523
 <211> 117
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 42
 <223> n = A,T,C or G

<400> 1523
 ctgagaactt taaagggtgga gagggaggag acagtagcta angatccagg actacaaagc 60
 tggctattca tcattcctga cagagaaatt taaagaagag aaacaaacaa acaaaaa 117

<210> 1524
 <211> 247
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 62, 73, 79, 101, 108, 124, 129, 142, 144, 145, 155, 175,
 177, 182, 221, 230, 231
 <223> n = A,T,C or G

<400> 1524
 gctctgaaaa agacacctta ccaccacact cctactcctc aggcttatca aagacagccc 60
 anctgagggc ttngcttgnt ccctcacacc tagaggggac ngactgcag atggagctga 120
 ctcncttanc tcgcaaggct cnanngcgca gtggnttgct aaaccttcca ctttncnaga 180
 anggggaaga aagggatctg tgtgcggaaa ataggaaaca ngctcttagh naagggaac 240

- REPLACEMENT COPY -

ttgcacc

247

<210> 1525
<211> 201
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23
<223> n = A,T,C or G

<400> 1525
cacatcatcg tatctgtggc tgntgggatc tctctgagca caatggaggg gctgttaccc 60
ccgaacacac gagtattgcg agtctctccc aatctaccct gcgttggtcca ggagggggcc 120
atggtgatgg cccggggcca ccatgctggg aacgatgacg cagagctcct acagaacttg 180
ctggaaacct gtgggcagtg c 201

<210> 1526
<211> 309
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 46, 72, 78, 98, 112, 170, 177, 187, 195, 201, 239, 255, 267,
268, 279, 293
<223> n = A,T,C or G

<400> 1526
gtgaaagaac gaggtgtctc tgaatccacc tgcccctcgc cacatnagga ggggaatccc 60
ctcctgaaac antaccangg acccaccggg gacttcanta gccacattcc cnaaaggaat 120
ctgtcatgtg aatatcaggg agggactttt ctacgccttg gtgacttttn acgttgngaa 180
gcccggntct ttgcnagctg ngatgaaaat ggacttgga ttaatgggcc tctaggggnt 240
gggacctgtt taacnacacc ttcccannga aatttttana ggggtcccc tgnttttctc 300
ttttcctta 309

<210> 1527
<211> 201
<212> DNA
<213> Mus musculus

<400> 1527
acactgagaa gtgaagccct tccgggtcct atgccgggtc ccacgggtttt tttccgggtg 60
atgaaggcgg gtgccccgga tgtaataccg gcgaaagcat ctttcctttt cttccccgcc 120
tgaccctggg ttcctagctg gaggaatcc acagccaatc atgccaaaga ggaaagtggg 180
acttgatctc tgaactctgg a 201

<210> 1528
<211> 146
<212> DNA
<213> Mus musculus

<400> 1528
actgagtggg gggatcagca agttgatttc tatactgctt tcttacatca tttggcacia 60
ttaagtgcc a gaaatttatt ttgctgagat ggaccagat ttggaaaagc aagaagagag 120
tgtacttgga aagatcaaaa aaaaaa 146

<210> 1529
<211> 111
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 36, 39, 51, 52, 53

<223> n = A,T,C or G

<400> 1529

tgccctagct tggttcccta ntttctcctc cacagncana gttaggaaga nnngaaagaa 60
gctgttacac gaagtataaa ccgcgggcga caccacagcg aaaaaaaaaa a 111

<210> 1530

<211> 206

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 29, 31, 34, 35, 38, 59, 63, 67, 77, 80, 88, 101, 106,
145, 146, 159, 160

<223> n = A,T,C or G

<400> 1530

gggtttgggc tgaagtanac cctgggcana ngcnntantt acttattgcg gaactctcna 60
ggncggnacag gaaaaantgn aaacaaanta aggccagggg ngggcncctt gagaaacctc 120
attttgggaa agtgaaatac tttgnnaatt aacatgcann tggttcaata aagacttttg 180
gaaagtgtcc cccccaaaaa aaaaaa 206

<210> 1531

<211> 190

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 43, 50, 54, 61, 125, 133, 154, 167

<223> n = A,T,C or G

<400> 1531

cataagactt ccgtgnagct agaagccttc agagggatat ctncctagatn cgcagcccat 60
naggacagac cacaattgga gattcgctaa cgctcttgcg ataaggactc ccctgtgtat 120
gacgnatgac tancgtgtta tgatgagatg cagnaaaaga gggcagnaaa caaccccggg 180
ctgcttccgg 190

<210> 1532

<211> 292

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 68, 82, 87, 99, 155, 158, 191, 193, 195, 199, 209, 216,
224, 228, 236, 240, 241, 243, 252, 253, 255, 257, 269

<223> n = A,T,C or G

<400> 1532

cgccaggacc accgcagtcc anaagcctcc gctgggggct gccatcttgc ttccgggggca 60
atgcgcangc gctcgcgaac gnggagngac acgcgcgna cacggtcagc gccgaacggt 120
gacaacgtcg ccccgcccgga tttggctgcc atggnggngc gggactcgac ttggcacagt 180
gatgcactac ncntncctnt gaatgactnc ttgctnaagc ctgnatgngg acttcncatn 240
ngngctggaa cnngnangaa ttgcatacnc attgaacaca cattccacac gt 292

- REPLACEMENT COPY -

<210> 1533
 <211> 412
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 46, 48, 54, 69, 70, 72, 73, 99, 101, 103, 108, 112, 123,
 125, 127, 132, 142, 145, 148, 178, 184, 185, 188, 215, 232,
 236, 248, 250, 253, 299, 309, 310, 329, 336, 340, 366, 367,
 371, 386
 <223> n = A,T,C or G

<400> 1533
 ctttttttttc ttagggggggt ttccctngcc tccgatacctg agtgantntt ttcntgttgt 60
 ctgtaagcnn cnnaccgacg aagagactac gtggagacnt ncnagaantg gnctgctggc 120
 canancnggc ancattccat tncgnaanaa caccaaccag gctcttttctg gtttaccnga 180
 ggannctnct atcacagacg agggctcgacc ctgtagnagtgt gaggcaaaag tngatncatc 240
 cggggccngn gcnggagcaa aggcctgacc tcagaaggac ctggccacga aaatcattna 300
 taagccgcnn gtcctccgca cacttatana aagtngnacn gggccatgtc cgaataacca 360
 ggcttnnggc ncaaaacttg agaaancctt tctggctctc aaagctccgg gg 412

<210> 1534
 <211> 122
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34, 54, 81
 <223> n = A,T,C or G

<400> 1534
 tgccggagag ataccgacga ggaacgaaga ctgnttccat tctcatcccc atgnttagct 60
 gacacacttg agccctcacg ngtgctgtaa tgtcttatta aagaagatgt taaaacgaac 120
 aa 122

<210> 1535
 <211> 527
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 26, 35, 42, 43, 50, 57, 59, 71, 207
 <223> n = A,T,C or G

<400> 1535
 ctaaaggaac atatantact atgganatga ccatncatgg gnngcatacn ttccttnana 60
 gggaggcgcc ngcaactgac atagccaaga ggatgaagtc agaataaccag aactgtgctg 120
 agtgtggaac tctggtttgc ctcagtgaca tgagggcgca cataaggacc tgtgagaagt 180
 acatcgataa atatggcccc ctgctanaac ttggcgacac cacagcaaga tgtgtatgtc 240
 cattttgtca gcgggaactg gatgaagact gcttgctgga tcattgcatt atccaccaca 300
 gatcagaaag gaggcccgtg ttctgtccac tttgccattc acgacctgat gaaagcccaa 360
 gtaccttcaa tggcagttta attagacatt tgcaagtcag tcacactttg ttttatgatg 420
 atttcataga ttttgatata attgaggaag ccattattcg cagagtgtc gaccgctcac 480
 ttcttgaata tgtgaatcag tcaaacacca cataatttta tgactag 527

<210> 1536
 <211> 378
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 62, 69, 75, 86, 99, 101, 105, 110, 129, 137, 147, 148, 154,
155, 161, 166, 173, 179, 183, 191, 193, 199, 213, 219, 228,
229, 238, 243, 244, 250, 251, 252, 258, 259, 261, 274

<223> n = A,T,C or G

<400> 1536

```
gtgggggagcg tggcttcttc tacacaccca tgtcccgcgcg cgaagtggag gaccacacaag 60
gnagtggcgt ggaanctaga atcccnccaa ggccacgcgt nccentttgn tggtcgagat 120
caaactgtnt aagattnttc aagggtgnngt tganntccct nacatncgaa tgngctggnc 180
tanaccaacc ncnctggtnct ctggacctta canatcacnc tgcctctnnt tcctctgngc 240
tgnnaacaan nnttggannc ncccctggct cccncacccc caccacacca atcttaaaag 300
aattgtcttc aacctaatac ttttaaaaac atttttttaa aaagaaacgt ttttaataaag 360
ctgttgggag ataaatac 378
```

<210> 1537

<211> 374

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 31, 38, 59, 69, 85, 103, 111, 125, 144, 147, 148, 151,
161, 163, 177, 178, 179, 182, 184, 207, 231, 233, 242, 248,
249, 266, 272, 276, 278, 279, 280, 282, 285, 286, 295, 319

<223> n = A,T,C or G

<400> 1537

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tgaacctgca agagccacac ccngtgcacc nttctacnag gaccaataga ttattcgcna 60
gcgaataana ctcccctccc ccttncttca taactaatcg tcnccaccaa naaaattttg 120
accnttgat caccacaaag atcnggnnca nataagccta ncncacagt atcaaannt 180
anancccata actaatcgtc caccantcc ttgacagttc caatgctgtt nangaggaag 240
gngaaatnnc tcccgaagct tgcatnccct tntgcntnnn anctnnacta agganggata 300
accttattct caacaatgnc agggggcattt ttggaatcaa ccaaagccag ggacatccct 360
gttggacatt tgat 374
```

<210> 1538

<211> 176

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 25, 38, 42, 47, 75, 91, 112, 115, 119, 123, 136, 138,
160

<223> n = A,T,C or G

<400> 1538

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acacctctac caaactcaaa taannaaacc ttcatcanct tnactgnatt tacaatgtcc 60
tgggatatgc aattntaatc acatccataa nactttttcc acaaattaat tnaanatgna 120
atncccaccc caaatntntc ttacatcatc ccttcaattn acacccaaag ataaaa 176
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<210> 1539

<211> 471

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 49, 68, 69, 75, 79, 86, 203, 205, 216, 226, 342, 429
 <223> n = A,T,C or G

<400> 1539
 ccggaagaaa aggactgacc catgtaagct gaaactgggt ggacccatna gtcacgaggg 60
 ggggggggnt tcgggctang aacacnatgg agaaatactt taaggagtgg agactggaag 120
 ccggatactg atgctgtcac agacgtctgc tgagttccgt acagcaggcg gcgataatga 180
 aatctaaatt gatgtgaggt acngnccatg agaggnacag cctcangact gcgctcctcc 240
 ctcgctttga acagtgatac acccaagggt ctgggtgcct tcagaccccc cagtgaccac 300
 tgagaggagc tcttcccagt ccctttcact ctgaatctcg tncccatggg ttaacgggtca 360
 tctgccggca accatggata ccagacacca agcattatct atgtagtaat gaaacaaacc 420
 ttttatatna tatgtattct taaataaaat ttaatataga acttaaaaaa a 471

<210> 1540
 <211> 448
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 70, 74
 <223> n = A,T,C or G

<400> 1540
 gctgataggc aaagctggcc tcaaagctgt gaccctcttt ctccagcctc tgatgctggg 60
 gctacagatn ggggctctcc acattgtcca gacattttca cagtcttggt tagcttcttc 120
 agtagctgag agtaagattt atgacattca aaaccacaga ctttacaata ctgctaagtc 180
 agatcaacta tgaattggaa taaaaaaca gagaatgttc ccaaaccccc accatattct 240
 aaaacccagt catctatctt gcagcatttt ttaatgactt ctacaacatc tcaaagttct 300
 ttcaactatt ctccccataa ccaagaagca tctcaaactt ctttcaacta ttctctccat 360
 aaccaagaag catgcatgta ttctgggaat tcaaattcag tttcacagcc acttctgagc 420
 ggcagaaatt atataactcc tcagactc 448

<210> 1541
 <211> 485
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18
 <223> n = A,T,C or G

<400> 1541
 gaactgagag atcctgtnta tttcgacgat aattggctaa acagcaatca aaactgaagt 60
 aggagacaat tggagggttaa agatcagcaa tttaaagaaa attttaaaag gcatcttgga 120
 ttacaatcat gagatttttag gacagcagat taatgatttc acccttcctg acgtgaacct 180
 cattggggag cattcggatg cagcagagct cggaaggatg ctgcagctca ttctaggctg 240
 tgctgtgaac tgtgagcaga agcaagagta cattcaagcc attatgatga tggaggaatc 300
 tgttcagcat gtcgtcatga cagccattca agaggatgt tgattagagc tttgcactta 360
 acagcttgta acaaattagt ggagaaaact agttctcaca agagaaatgg caaccttaaa 420
 aaattatatt attgtctata cctatatcct aattaagttt ttaagttcac tgtgaaaaaa 480
 aaaaa 485

<210> 1542
 <211> 155
 <212> DNA
 <213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 18, 36, 42, 43, 48, 53, 58, 66, 73, 102, 129
 <223> n = A,T,C or G

<400> 1542
 tttttggaga tcgcctancc ctttttttag gggttntgcc cnncccnac canatatntg 60
 gagtcnagc ccnaagattg atgagtttgc cttgggagtc angagaaaag gtgaaataag 120
 aggccacnt gggtaagaa ggtcaaaaaa aaaaa 155

<210> 1543
 <211> 368
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 84
 <223> n = A,T,C or G

<400> 1543
 aactgagcct cacaatgttg ctctgactgg ctgaagcaac gtatgcgaga agctgggac 60
 tttcttaacc cacaccagag acangtgctc gcaaagacat acctgaagtc attcaccaac 120
 aaaactggga agcatgtaaa aacaaagcag ttgcttggtt ctaaatacca gaatgcaatt 180
 ctttcaagca tctagatgga gcccatgagc tccaagcaga gcagtaaag acacaacctc 240
 ggggttcgac gtgtgataag gtatcctgta actactcttt gtaccgctgg gatctaccct 300
 gcttcactgg atgacatgca gccttttctc ttagcaaccg catgaataaa catccaagag 360
 aaaaaaaa 368

<210> 1544
 <211> 147
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 36, 53, 61, 66, 73, 78, 81, 95, 125, 130
 <223> n = A,T,C or G

<400> 1544
 ctgagttgga acatctggaa gcaacgggtg gcccanttca gagcaagcac tanaatagga 60
 nagaantagg aanggacnaa naaggaacct gatcncaatt aaggaagctg ctgtttctgt 120
 acaanaagan tctgatcttg aaaaacc 147

<210> 1545
 <211> 231
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 44, 59, 64, 69, 94, 99, 120, 124, 142, 149, 158, 169,
 185, 193, 202, 212
 <223> n = A,T,C or G

<400> 1545
 ggaatcgaac gcccgagac tcttttnagga atggatttct tagnatggcc aacgtggant 60
 tganttcnt ggcccggtt cccagcttga attnactcng gaagttggaa cttctgactn 120
 tatntttctg gaggttgga antcctggna cacaaatntc ccaatcttng ctacctcaat 180
 ctgantggaa acnatatata anatctcatc tncagtacta agcgctgcgt a 231

<210> 1546

- REPLACEMENT COPY -

<211> 243
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 60, 80, 152, 163
<223> n = A,T,C or G

<400> 1546
aaatgggttaa gcagcgctgg cagagtggcg gcggtcagaa ggcttgcctt cggaatgcan 60
atctgttacg gactagggan ccaggccctt gagcttgctc ttggaactcc atctcttctt 120
ccttcctcgc gcttacccag gctgttttga tntttcagtg cantgttgaa tgtctcattg 180
ttttgctgtc ctgctattta acacaatgtg tttttttttt ttatttttat aactaaaaaa 240
aaa 243

<210> 1547
<211> 205
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 30, 49, 76, 77, 83, 124, 126, 129, 139, 153, 156
<223> n = A,T,C or G

<400> 1547
cattgacacc acttctaaat ttggccacnn attttttcag acagcacang agaaaagggc 60
cttcctgggt cccannagg aancatctgg agaaagaaaa tccggagacc ttgggaaaca 120
tgtnanatnt ctggaatgna cacacctggg atntancact cttgctatct gtccgggtcct 180
ttttgttcaa taaagtccta aggca 205

<210> 1548
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 143, 233, 354, 376, 413, 421, 423, 429, 435, 443, 444, 448,
453, 455, 474, 475, 478
<223> n = A,T,C or G

<400> 1548
tgaactggtg gcagaaaact gaaggaggat acaggaagat gggaagggaac tactgagctg 60
caccatgctg gccgtcctgt cccctgtgct gaaggacacc tgcacacac ctgcacaggg 120
aggggacagc agcctgaact tanccctgat gctgggctgt gtgaagtggc taatatgcag 180
caggcacacc aaggtctacc tctgtgggaa aagtggctga ggctctctct cantacctct 240
ttccctggtg cctctcactc ggaccctccc agggccgcac acaccctcca gctgtttcat 300
cactttgctc aggaacctca gctgcctttg aacgttatcc ctaaaaatca ccanttttcc 360
acatgacatt cacagntagg tgccagtcac ttctaacccc agggacccta ttntgggggg 420
ntngcttant gtctntggcc agnnatgncc atngntggga accatgctga aggnnagngg 480
ggggtggggg aattagggc 499

<210> 1549
<211> 259
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 29, 34, 56, 58, 62, 64, 68, 69, 75, 81, 98, 103, 130, 139,
173, 190, 203, 205, 209, 212, 218
<223> n = A,T,C or G

<400> 1549
tggccatgag ccatttttgag cccagtgant acgncccatg tgaactgcta tcagantnat 60
cntngccnnt gtcntaaac ngtaggggtg tggggagnct aangtgacaa ctgacccctgc 120
ttccctttcn ggaagccang gtccctgcag aagaaaatct tgtgttgat ctncctgtccc 180
atatccgcgn gagtaacatt agnanaagna cngggacngt gtcccatgcc tgcgggtccta 240
acacttgaga ggtggagga 259

<210> 1550
<211> 301
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 105, 109, 175, 227
<223> n = A,T,C or G

<400> 1550
cctgggatag ggtattgact ctgtaanaaa ggcactaatg gttacttcca cttccggtgt 60
cgctctgtct tccactcata ggtaaaggcc ctagtataag ccgnaagna tccagggcac 120
atcgggtgggt atgctgtaca gtgtgtgggg tactgcccac cttttccacg taagnagtaa 180
acacaccaaa gaacttctgg tgggtgttccg gctcggctgc ttcttgntgc ttcagcggac 240
ttgtgcgatt ggacagagcc tcttggtttc ttctggatcg agccactgct gctgagtttg 300
t 301

<210> 1551
<211> 229
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 53, 67, 69, 72, 134, 140, 150, 209
<223> n = A,T,C or G

<400> 1551
tatcattacc ggatccatct atttgaatac tacagcttcc ttaaaaattg canaaagggg 60
tctgganana tnactcggcc cccaagcact ggctactctt ctaaaggacc caggttcgat 120
accattact cacntggaan ctcacatttn tctgttactc cggttctaat ctgaattcct 180
ctctgacctc tttgggcact gcacacacnt ggacaaaaca cctaaatgc 229

<210> 1552
<211> 149
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 64, 78, 97
<223> n = A,T,C or G

<400> 1552
ctggaagaca accgggattg gtatgacaat cgccatccgc cagagatcct cccaccccct 60
gaanccagt accttatnac atgcatcaca gatccgngcc ctgactgaca agttccaatt 120
tgagctcacc ttgtaggaag aggattgaa 149

<210> 1553

- REPLACEMENT COPY -

<211> 114
 <212> DNA
 <213> Mus musculus

<400> 1553
 gaactgaggt tgctattaaa atcatagata agagccagct ggatgaagaa aacttgaaga 60
 agattttccg ggaggttcag ataatgaaga tgctttgccca tccacacatc atca 114

<210> 1554
 <211> 223
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 39, 50, 79, 81, 93, 104, 108, 111, 138, 158, 170, 173,
 182, 183, 189, 191, 202
 <223> n = A,T,C or G

<400> 1554
 ggcaatcctt tccttnactc ggaagtgaag atactcgtnt ttgatgcctn cttgggtcccc 60
 tccggctacc atgctttgnt ntcagaataa gangcagcag ccanaatnct nctttccctt 120
 ttgaatttac taaagtgnat ttttctatga aaagaacntt gaaagacaan aangaaacgg 180
 annnggtacna ntcgctacga anatcttaag ccatgaatga gtg 223

<210> 1555
 <211> 178
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 23, 25
 <223> n = A,T,C or G

<400> 1555
 actgaggcag gaggangggcg agntncaggc cagacaaggc tacatagcag gaccttgcct 60
 caacaaaagt gaaaaccaca tttctgaagc ccttgaagct gagcgtccct catcctgtaa 120
 agtattccca gtcaggcacc gctgctgtca atcaagaatt gaaactgaaa aaaaaaaaa 178

<210> 1556
 <211> 319
 <212> DNA
 <213> Mus musculus

<400> 1556
 agcagtaa at caagctgggtg ttgtgtgcca agagaaagta ccacttgatc aagctgtcta 60
 taaatacagt gtgtcatgac tccaagtaga gaaggagaag cccatggaag ccaatctgca 120
 atttgggtgaa ctctcttaga aacacagttc tttcaggcag ccgaaggatt atctaattac 180
 ccaaacaaca gagacttctc tctgggtccct gaaggaaact cattgggtta aaggtgggtcg 240
 gtcattggcc tctctgggtc tttgggaaca aaattgtttg ggaaataaag ttgagttgat 300
 gtcattttta aaaaaaaaaa 319

<210> 1557
 <211> 146
 <212> DNA
 <213> Mus musculus

<400> 1557
 gatgaaggaa gaaatttacg gaaaggaaga aatggcggcc acattcacac tggttaagctg 60
 aaggaaagat actaactcag tatctcagtc tgccttgagc tcccgcgtgg ctcacagttc 120

- REPLACEMENT COPY -

aagaacataa aggcaaaatt ctaaaa

146

<210> 1558
<211> 195
<212> DNA
<213> Mus musculus

<400> 1558
tgacgggaag cccagcatc aagtgtctgc cgccacttct gctgcctgct gcctgctgcc 60
atgcttcccc gccaggatag actctgacct gcaggaatta tcagcccca aacaaacctt 120
ttcttctata agtcaccttg ttcatgtgtt tatgacaatg ccggaaagggt aataaatacc 180
tcagaaaaaa caaaa 195

<210> 1559
<211> 319
<212> DNA
<213> Mus musculus

<400> 1559
gattttgcag ttgaagggtga tgagggttggga acacctggta catgctgaag gaccagcggga 60
tctgggagct gatgagaact ggacccgagg agcatcagag ctggaggagg cccacccag 120
agtcactcag acctcgatcc tgagcccaac cggagctcct cactgggtcat gcagcctcca 180
tgtgagacgt gaggtgtgga ggccagagca cgctggggcc gcagacgagt ttggacagat 240
ttgagtttgg ttctcccaac cccccaatat cgtgtcatca tcattgattt actgcatttg 300
tgagctcaca aaaaaaaaaa 319

<210> 1560
<211> 184
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 122, 134, 138, 151, 158
<223> n = A,T,C or G

<400> 1560
gcacccctgac actgaagaac aacctgctgg tccagatcaa aagtcaatat atgacaataa 60
aactacagga acaagggctg gagagtagcc cagccttcaa tcccagcact tgggaggagg 120
gnaagttgat ctgngagntc aaagccaacc nggtcttnat agggggccgaa ctaccccca 180
atta 184

<210> 1561
<211> 386
<212> DNA
<213> Mus musculus

<400> 1561
agctgctgca gtggctagag cagagacatc tcctgcacgc gctgggtggcc gacgtggacc 60
cagcgctaga cccgcagctt cctcggcagg cttctcagcg ccagcgccgc agtgccgcca 120
ccaacgctgt gcaccgctgc tgtcttactg gctgcacca gcaagacctg ttgggtctgt 180
gtccccactg aaggagcaca gggctcaggc ggtgcgtcct taattgctcc ccacctcctg 240
gctatgtcat tgcaacaacc cagtttgcct tggaggatcc ctagtattatt catagatcgc 300
agtaagcaag gaccacaggc cctgtcccca agaagcccca tcatgacctg tgcccacctc 360
ctccctgtgt cccaaacagt ctaaat 386

<210> 1562
<211> 148
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 29, 37, 40, 50, 52, 56, 63
 <223> n = A,T,C or G

<400> 1562
 tcagggggca cagagactca accagtacna aagaatncan aggtgatggn cntgtntccc 60
 tcnagagaag atgactacat tataaactcc cttttcaacc ccaacacca ctatatattt 120
 ttaatatata gaaaaaaaaag ctaaaaaa 148

<210> 1563
 <211> 300
 <212> DNA
 <213> Mus musculus

<400> 1563
 gacctgaaaa gcttcctttc ttcaggcgcc agaggatcaa gagaatgcag catcccaagc 60
 ctctcctgc tgggtgctctg cctcctcctg cagggtgtgg ctggtaaggg ctgaggctcc 120
 taagtgcgat gatagactct cctcctgagc tgtcaccctt gattacacca cagtgtgcca 180
 gcaagaaagc tgggtggtgg gcactctgact tgggtgttggtg tcctgtaaataaacagattca 240
 ctggaatatg ctggattctc atgctgtaca ataaagaggc ttaatggtga aaaaaaaaaa 300

<210> 1564
 <211> 269
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 36, 48
 <223> n = A,T,C or G

<400> 1564
 tgtatagccc tcgctgttna ggaactcact ttgtantctc agcactantt agcagaaggg 60
 accaggagga acacaagcag aagttctcag ctgtacctct catgaggaag tgaagatcag 120
 cgaagagtgg atactaacia gcattgctca gccggctatc ccagcaagca agctcagcct 180
 ctgttattgt ctgttgagtc ctttgagttt tttggtgtat ttctctctat ggagtcctga 240
 caaatgtagc ccaactacia aatataagg 269

<210> 1565
 <211> 312
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 50, 129
 <223> n = A,T,C or G

<400> 1565
 cccttgctca ggatgnttga ccgcagcatc aggagagtaa aggacagcan ggaaagtgc 60
 taatcctgca cagaaccag gaccagatc tcccggtctc agcatctctt cctgtcagtt 120
 ctgaacggnc tcagtcaaga gcagaactct aggagtgctc ccatggaaga atccatcaca 180
 tttcagccaa agcatcgaga tttgtcttct ttttctatca agctttcctc aggtatttct 240
 gtgtgggcaa ttaatttctt taccatcctt caataaatat ctaacaataa agatgatcaa 300
 aaagtgaag ta 312

<210> 1566
 <211> 362
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 31, 40, 46, 54, 68, 70, 72, 73, 78, 82, 103, 104, 105,
119, 138, 142, 149, 155, 158, 159, 174, 177, 184, 187, 203,
224, 226, 236, 295, 296

<223> n = A,T,C or G

<400> 1566

```
gcccttgctc agtgcttgnc tgagtgcacc naaaatgtgn cgtggngacg catnagggtg 60
ccttgctntn tnncttnaa anctacacac cgactttgga tgnnncttct gagacatcnt 120
cgtgaggaca cctgagtntt gnctccttnt ggttntgnna atggtcattg aacntantgc 180
tggncantga caagcatgca gcncatgatcc tctgtggact catngntatt ggcagnctga 240
caggatgtgg aatcacccat gagacacatt atcaggtgtg cctgtgaaac acgtnnccca 300
agagattacc tgtgacagga attcccagct ggaatggtgg gtggcacccg ttggccctgg 362
ga
```

<210> 1567

<211> 314

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 86, 93

<223> n = A,T,C or G

<400> 1567

```
gccagagcct gggccagagg cctgcaaagc cctgtgtggt ggaaccggag gtacttcatt 60
taagaggacg cctgtccagg acccgtgtgt canatgtcct ttgccataat gttaaccttg 120
gaacagcctt gcctgtggag aagccggcct gaccatgatg ccaagttcca gatctttttg 180
tgccaggaca ggtggggagg gggttttacc agtgttctta actatactgt gattttttatt 240
attgccatgt ccagctttta agtgggggtt taacgggttt ataataaata aaagtttcag 300
gcagaaaaaa aaaa
```

<210> 1568

<211> 226

<212> DNA

<213> Mus musculus

<400> 1568

```
acggcagacc tctggctcct ggccacaact catcccagac tcaaagcagg aggggacctc 60
tagctcccc aaaccatctc tactcacccc aggacttccc tccccagcaa cctttgcctt 120
gtccactcct aataccagtt tgcttccaac acgttcccca gagctttcag gcagcccaac 180
accacactcc cctgaagggc taacctctgc ctctctatg ctatca
```

<210> 1569

<211> 209

<212> DNA

<213> Mus musculus

<400> 1569

```
gaggtccaac agaacacgag agagaatact gcatgtgtac atcactggaa caagaatctg 60
ttcgggtttc cctgggaatc cagagtgatc agcctccgaa gaaccaatgc tatgcaacag 120
gcagttcaca gtcgagtga catcaatgtg gaatgagtgg aggcatttca atgcaaataa 180
atgctgaata tgaaggatta aaaaaaaaaa
```

<210> 1570

<211> 365

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 152

<223> n = A,T,C or G

<400> 1570

```

gggagactcg ggcggcccct tgatctgcaa tggcattctt catggagtgg actccttcgt 60
gatccgcgaa tgcgcctccc tccagttccc tgatttcttc gcccggtgt ccatgtatgt 120
ggactggatt caaaacgtgc tgcggggcgc anagccctga ggtgcccttc tgcgctccag 180
gcagcctaaa gctggggcga ccagcaggct ctagtgggaa aaaaatggag tggggtggac 240
tagacctttc caggcttttc tttcacccac gcacccaccc acgcagcacc ccctggagtg 300
gagtcagctc tgttccttat tccatatgac ctcaataaaa actgagacat atttaaaaaa 360
aaaaa                                           365

```

<210> 1571

<211> 237

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 31, 39, 40, 54, 57, 59, 75, 81, 88, 105, 115, 125, 126, 127, 130, 134, 135, 137, 138, 142, 146, 148

<223> n = A,T,C or G

<400> 1571

```

aggaacctgt cttattgnga ccaactgaatg ntacggccnn aattgggccc cgantcncnt 60
cgattatgga ctgcnttcag naatacantg ctttggacct tcctngtgat attanaaaag 120
tttgnntgn tcgncnnta cngatnanaa atacttgtac ttcccccttt gcttgtgcat 180
ttaagccttg agcctttctc aatacagcgg gaccttcttg ccactcaaaa aaaaaaa 237

```

<210> 1572

<211> 152

<212> DNA

<213> Mus musculus

<400> 1572

```

gccaggcctg ccaacctgag ttcaatagca gaaccacac agtagcaaaa gaaccaactc 60
tgacctcccc tctccccctc cctctctctt cccctctcca gtagtcactc cagagacacc 120
caaaataaaa aatttaaagt taaaaaaaaa aa                                           152

```

<210> 1573

<211> 364

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 255, 265, 281

<223> n = A,T,C or G

<400> 1573

```

gcaagctcct ggagagccag cccccgcccc tgcccccgcc ccattctcacc ccagtactcc 60
ctctctcttc tctactatgg acagagaata cactgaggag cctgctacac acccagctga 120
tctggggacc agcggagcca tgaggctggg ttcagcaatt ctcggtttac tcttgcctca 180
aggctacagc tctcaaccta cgacaactca gacctcgcag gaaattctac agaagtcttc 240
tcaggctctc ttggnatcca atcancctgt gacaccaagg ncaagcacca tggataaaca 300
gtccctttcc ttgcctgact tgatgtcctt ccagccacag aagcacacac tgggacctgg 360
caca                                           364

```

- REPLACEMENT COPY -

<210> 1574
 <211> 350
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 328
 <223> n = A,T,C or G

<400> 1574
 gacgctggtg actgttttgg gctggggcact gtcgtcgaag gtatgttcag ctatgacagc 60
 ccaaggacag ctactgagga catttgccctg cttttgaagc tgcacaccgt ttctgaattc 120
 tccgcagcgc tgaggcttat ctccggggcgc cacaccgtct tatctgaagt tttcttcctt 180
 tcgtcttcct gagaagattt ataaccacga aaagccacgc catgatttct gcttccaaaa 240
 ttgtattctg gttgttttat tttgctccct gtcctccgtt ggcttcgagg atgctgttga 300
 gcaatctaca aattcccaga gtgtctgnga ctttgtaggc accggggccg 350

<210> 1575
 <211> 127
 <212> DNA
 <213> Mus musculus

<400> 1575
 gatgccctct cttaggttta gaaatcgctg gaataccaaa gagcaaccgc ttcctctggt 60
 gggcagctga ttcttatctg tacatgggac agggcggggg ggcagggggg ggggagttaa 120
 taataga 127

<210> 1576
 <211> 193
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 51, 59, 88, 110, 143
 <223> n = A,T,C or G

<400> 1576
 acctgggtaa tgaccactga ctggctcttc ctaagggggc tgtacttaaa ntcccaacng 60
 ccacatgtat ggggtcacaa ccacctgnga ataagcatct gcacgccctn ttctgggtgca 120
 tctgtaagga cagctacaga tgntacttat ttataataat aaataaatct tttttttttt 180
 ttaaaaaaaaa aaa 193

<210> 1577
 <211> 185
 <212> DNA
 <213> Mus musculus

<400> 1577
 ggtcctctgc tgttttgggtg tgacattctc tctcgagtct gacaagctgg actggcctct 60
 gtgtttgctt ccctgtctcc acagtatgcg atccaggacc tggaagtatc acaaacgaga 120
 accaatcatc ctgtttacat tttggactgt aaataaagga atttttttta atgcaaaaaa 180
 aaaaa 185

<210> 1578
 <211> 186
 <212> DNA
 <213> Mus musculus

<400> 1578

- REPLACEMENT COPY -

```

gctctgctca taactgtagg caagaacgtg gtgcctcttc actccagaat ggggctggtg 60
aaaggcattt ttcttctcca aaactcattt ctcaagtcaa actataatga gacagcaagc 120
tgtcaccagc agaagagact atgtatgacc tctattaaca aagggtgaatt aactgaaaaa 180
aaaaaa 186

```

<210> 1579
 <211> 220
 <212> DNA
 <213> Mus musculus

```

<400> 1579
gcaaattctgc aggagacaca gcgtgacggc tggactggag gtggcctttc ctgaagacgg 60
cacaggcaga tagtgacaca aacggtcacc cttgacccac ccacagaagc taacatcagc 120
ctggctgtgc tgtgtgcctt caggaagagc acttgacagt gcttaaaact cccgccaatc 180
cactgttgca taaataaaaag tggggccaaa cagaaaaaaa 220

```

<210> 1580
 <211> 445
 <212> DNA
 <213> Mus musculus

```

<400> 1580
agtgttttaa acggaccaac aacttgaaca atgccaaagtc tcaaggacaa aaggatgctt 60
taccaaataga agaggggaca gaactccagc ccattgtgag atagggacca agagaacttt 120
gactacctgt gacaccgaga caaagtctac agctgttttc acgtgaacta gagcacggaa 180
gatgttaaaa ctatgtctat atgcatcaat ttaaaaggca caatattggc tgggcacagg 240
gacacacatc tgtaattcaa aactggaaga ggctataagg ctagcctgag ctacatactc 300
agatgttaaa tgctagcctg aatgctacat agagacctca tataaacaaa caaacaataa 360
aggttggctc actggataaa ggtgccagtt gccaacccga ggaactgaat accccaggac 420
ccacatggta aaaggagaga atcag 445

```

<210> 1581
 <211> 382
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 118, 190, 308, 327, 356
 <223> n = A,T,C or G

```

<400> 1581
actacaaagc aattggcaac gatacggaga ggggacgttt tctgaagtta tgaagatgca 60
gagtctgaga gatgggaatt actatgcgtg caaacaatat aagcagcact ttgaaagnat 120
tgtgctggaa aaagtagggg ttgaggccaa acagccaaat tctgccatca ggaagtgcgt 180
cagggtgcan ctcatataaga acgggaagaa gatcacagcg ttcgtgcca atgatggctg 240
cctgaacttc attgaggaaa atgatgaagt tctggttgct ggatttggtc gaaaagggtc 300
tgctgtangt gatattcctg gagtcengct ttaagggtgg taaagtagcc catgtntctc 360
tggttggtct atacaaatgg gt 382

```

<210> 1582
 <211> 541
 <212> DNA
 <213> Mus musculus

```

<400> 1582
gcaggtgaca acgctgaatt ggtcctcagg agcggatggt caaggaaccc tgcctatgca 60
ccatgctagc tgccagtcct aggttgggac attccactgg ggacatccat gggagagcta 120
tggccattaa caagtcctga gccctgacct gaagccatca gtggcctagc tgctctacct 180
gactttgtgg cctcccttcc tggatctctc gcttacgaca accgacaaca aagatgtttg 240
actccagaag atgctccccg cggcccacct gagaggactg tccacacccc accccactgc 300

```

- REPLACEMENT COPY -

```
gccctgtgcc atctacctct gagtccccaa cttctcaccc atgtttcaac tcccacccca 360
gagccttgta ttccagatct gagcagccct tgcttaggaa cctgaggtgg ggggtgggta 420
ggcagaccca ggggactgag cagggagggg aaggaggggt ttctgctctt ggctttcaaa 480
gttctcaatg tgtgtagccc tttgaataat aaacatatgt catataatgt aaaaaaaaaa 540
a 541
```

<210> 1583
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 302
<223> n = A,T,C or G

```
<400> 1583
gtggatctac cttaacgatc agaacctatg catccctgcc agctcctcct ttgtctacgg 60
agcgggtcccc ataggagcca gtatttatgt tatcggagac ctggacacag gtaccaacta 120
cgactacgtg cgggagttta agagaagcac gggcacctgg caccacacaa agccactcct 180
gccatctgac cttcggcgca caggctgtgc agccctgcgc atagccaact gcaagctcct 240
ccgcctgcag ctgcaacaag gcttgttccg catccgggtc cattcccctt gaagaggaag 300
angagccaaa agtgagatcc tgcccaagcg catcccgtgg ctggcgggcg caagtgcagt 360
gaagcagccc catctcgctg tgcgctgggc 390
```

<210> 1584
<211> 106
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 23, 49, 63, 84, 85
<223> n = A,T,C or G

```
<400> 1584
gccgcctctt caccacatga gnnttaaaca taaataccct accgattcnc aactgcacct 60
gtngtgcaag tgtgcagccc ttanntcgct gggtctactt cctttt 106
```

<210> 1585
<211> 137
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 41, 49, 59, 61, 64, 65, 76, 93, 95, 116, 119
<223> n = A,T,C or G

```
<400> 1585
gtacgccaca ggggcatttc aaagctcaca anattcttgg ncacgcatnt atgcctgtnt 60
nccnntaaac ctgtnccagc agaactggag agntnttcag tgccaagaac tttcangtnt 120
ttactttgac cctgaaa 137
```

<210> 1586
<211> 385
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 17, 148, 196, 200, 203, 205, 213, 223, 231, 235, 238, 240,
248, 257, 272, 278, 280, 289, 292, 293, 294, 296, 299, 317,
319, 325, 332, 334, 335, 357, 359, 363
<223> n = A,T,C or G

<400> 1586
tgagaaggga ggcggangtc tgacaagatg taccagggtcc cactgacatt ggaccgggat 60
gggaccctag tccggctccg cttcactatg gtggccctga tcaactgtctg ctgtccactt 120
gtcgccttct tcttctgcat cctgtggnc cctgtcttctt acttcaagga gacaacatct 180
acacactgtg ggggtanggc tgnanggcac tgnccgatca tcntgacaga ngagncancn 240
ctcatggnc actgggnggg ggcgggctat tngtaaancn agggctcang annnangtnc 300
cttttacctt ctatganana tatanggcct gngnntacta aagctgggca aaccccnana 360
ctnagaacct tggccagcta taaaa 385

<210> 1587
<211> 251
<212> DNA
<213> Mus musculus

<400> 1587
agactgagag caccgaagta ccatttctact tccagactgt acctcgttac tgcacaggat 60
ggaaatcaca acttcatcca ctggggctgg aaagcaggcc aagggattac ccccgagcag 120
agagggggag agaagcaagt aagaggtgca cagcccgcaa tccccgtact tgggagatgc 180
atgcagaagg agctcatgtt ccaagccagg atacgacaca gagatcgtga gatgccagga 240
cttgggaaggt g 251

<210> 1588
<211> 445
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 41, 296, 299, 304, 306, 308, 311, 312, 315, 318, 324, 332,
358, 363, 394, 398, 401, 419, 421
<223> n = A,T,C or G

<400> 1588
tggtctctac ctcatcactg gctgggtttac ctttatacctg nctatggatg cctgctacag 60
tatccacgtc tacgggatga taaatgaaac ctactgcaag acagaagggt atatgaaaag 120
tcccctatca ctactatgaa caagggaaag atgagtgtaa cgaatatctt ctccatgaac 180
atgccccgta tgggggacac aggttcatca ccgagaagaa agtgtttgcc aagtgggcca 240
agaagcacag aatagtattc acacacccga actggacgct gtcctgatgc cgtganatnc 300
cacnantntg nnggnggntg tggngaaaaa angctgatgg tgctgaccgg tgtagcanga 360
tgntcaagggt gtgaccatgg ccctggacat tctntggngg nggatctgac tctgttagna 420
nttgaacttg gcgttccttg ggaat 445

<210> 1589
<211> 310
<212> DNA
<213> Mus musculus

<400> 1589
gactgagggg aaaccgcccc tcatgactca acagcagatg tctgctcttt cccgggaagg 60
gatgctagac gccctcttcg ctctctttga agagtgcagc caaccgccc tgatgaagat 120
gaagcacgtg agcagctttg tccagaagtg gagaccgccc aactgtgatc ataccatttc 180
cggaaggagg gcccgccac cacgattgta ccctttcctg tggggagacc tgcccactat 240
ggttgcgtca cttcctggcc taggatcctg gaccaataaa aaggagaaaa ttcactgtta 300
aaaaaaaaaa 310

<210> 1590

- REPLACEMENT COPY -

<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 22, 50, 84, 94, 131, 161, 235, 252, 267, 282, 286, 290,
293, 303, 304, 305, 306, 309, 317, 320, 322, 325, 339, 352,
393, 395, 404
<223> n = A,T,C or G

<400> 1590
agaggagatc taaccttnac tntgaaactg tggcctttttg cctgcctggn tgcctgtttt 60
gttggggcct ggatgccggg tgtncatgcc caangcgcct ttgaaaactg ctgcctgggt 120
taccaccaca ngatcaaagt gaatgttctc cggcatgcta ngaattatca ccagcaggaa 180
gtgagtggaa gctgcaacct acgtgctgtg agattctact tccgccagaa agtantgtgt 240
gggaatccag angacatgaa tgtgaanagg gcgataagaa tnttgncagn tangaaaagg 300
ctnnnncant ggaaaanagn cncanacttt cagactgana ggaaagaagt cnaaccatat 360
gaaagtccaa ggggggagaac cccaacaaga cangngtgaa ggangccccc ctaagttatt 420
cc 422

<210> 1591
<211> 278
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 42, 79
<223> n = A,T,C or G

<400> 1591
agactgagga cccagntgat ggtctgctgt tgccccattc anaaatgtct gccatcctca 60
agttaaacct ctctggcanc accctcccag gcatgcccag aggtgtcttc tacctgactc 120
tagatccagt caagatgccca atgtgggtta accgtcattt catgggtgctg tgatggagcc 180
aggagatgac aattggaggg aagcaattgt tgggtgccatg ctcttgaacc tccaaaatgg 240
ttaaataaac tcgggggtttc ttttttttaa aaaaaaaaaa 278

<210> 1592
<211> 128
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 32, 40, 48, 53, 55, 72, 80, 85, 96
<223> n = A,T,C or G

<400> 1592
tcacagactg agtttgacag gttnaaagca cnagaagaan aatactancc aangngcccc 60
agacgggatc gngactccan tgacngccat aagatnccct aaagctaagg cactgcagaa 120
aaaaaaaaa 128

<210> 1593
<211> 254
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 76, 81, 86, 123, 216

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 1593
ggccaaatac tacacaangg gggactgggg acaccgcccc ccctttacat catgaaactg 60
ccgatgttac tggctnatgc ntgggngaca ccagcataca aagtcttgac accaacacct 120
canagggttg tgttctgtcc ccgtgaccat catctagtgc ctggaaagac tagtgacaag 180
aacttggtgc caacttccta ttacctccct aacagntggg caataaaccc catagggtta 240
ttcaaaaaaa aaaa 254

<210> 1594

<211> 109

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 32, 85

<223> n = A,T,C or G

<400> 1594
cgaagtctcg atcactagac gggagatgct gncaagtgcc ccagacggga tcaagactcc 60
aatgacaacc ataagattcc ctaangctaa gacactgcaa aaaaaaaaaa 109

<210> 1595

<211> 239

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 93

<223> n = A,T,C or G

<400> 1595
ggtttactga ccagtacttg aattgctctc cctggctggg ggtaacctct gccctggag 60
ccttccttg ttctacaat gccaacctct cangtttagac ccagccctgg agctcatggg 120
gtgccttggc cctgccctgc acacctgctt ctctccatgc atccaggtct atcgacctga 180
agctgcaagc tggcccaaaa aggacaataa aacctgccac ttttgcatga aaaaaaaaaa 239

<210> 1596

<211> 366

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 83, 88, 100, 107, 148, 149, 154, 165, 173, 178, 185,
186, 187, 188, 199, 222, 228, 242, 249, 252, 253, 263, 266,
270, 280, 283, 285, 300, 311, 317, 327, 339

<223> n = A,T,C or G

<400> 1596
cacggctgtg gtgacccaac agctgntgta taacccatcc gggagacccc gagggccaag 60
ccctgtcgtg ttagcacctg canatcgnga aggttcgcan aggcattatg gctcacagct 120
tggaggacct cctgaacaag ggccaggng tctnaacagg aaagntcttg ggnaccnat 180
ccctnnntc tggccacanc ccgcgggaca ccactattgt tnttgtnaa aataataact 240
gnatagctnt tnntgaggcc ctnatnaatn atcatccaan tgnantacca taggaaaggn 300
gatttgattg ngaccancta tttgganacg ccctatcang ttttattaag ttagaccatt 360
tgacct 366

<210> 1597

- REPLACEMENT COPY -

<211> 138
<212> DNA
<213> Mus musculus

<400> 1597
aactgaggca ttaaagacct cattttgctg agtggccgga tattcctact gctggccctg 60
cttaccttag tcatttccgt gaccacctcc tggtttaact cactgaaacc ttcgcaaggt 120
catctgaaag aaaaaaaaa 138

<210> 1598
<211> 427
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 72, 217, 240, 243, 265, 304, 366, 375, 380, 393, 394,
403
<223> n = A,T,C or G

<400> 1598
atagccctgg aacggaaatc atgttgggca agcnggacca accgctgaag cacggcagga 60
ggaatgacta tnataggatt taaggatggc tcccgggacc gcagcatcag aggaacgtct 120
agaacacacc ttaagggaga gaaagaccgt tgtgagggct ctcaggagca agcacctata 180
ctctcttggc aactttcctc gatgtccagt gtccacncac ctctagctt tgagcatcgn 240
tgnctactcg tccttgagag cgtcngcaag aaggaaatta ctctgccatt ttcaaccacc 300
cctnatccca atcttaccat acttatccta gactggctct tccaggacca gatcttgagg 360
ctgacntaac ctttngggtn cccaaaattg agnncgggt ggnccaaaaa gggggttcct 420
acctata 427

<210> 1599
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 43, 44, 46, 56, 58, 61, 66, 74, 81, 83, 84, 103
<223> n = A,T,C or G

<400> 1599
acgactgcca ttggtcatgc atacatggac catacatgga ccnnncatg cgtgtngnta 60
ngaaanaatc cttnatcacg ngnnctttct actgtttgct ttngcagaac atcctctctc 120
ttgtatctgc ttcagctaaa tggttccttca tga 153

<210> 1600
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 367, 370, 391
<223> n = A,T,C or G

<400> 1600
ctgaggttat ggagacaaag gatatgctct acattgtcac agaatttgca aaaaatggag 60
aaatgtttga ttatctgact tccaacgggc acttgagtga aaacgaggct aggcagaagt 120
tctggcagat tctgtcagcc gtggagtact gccacaacca ccacatcgtc caccgggacc 180
tcaagacgga gaacctgctc ctggacagca acatggatat caagctagca gatcttgatg 240
ttgggaattt ctacaagcca ggcgagcctc tgtccacgtg gtgtgggagc cccccgtatg 300

- REPLACEMENT COPY -

```

cagcccctga agtcttcgag gggaaggagt acgaggggtcc ccagctggac gtctggaacc 360
tcggtgnggn gcttgtagct cctgggtcttg nggctccctc cccttcgacg ggcccaacct 420
gcctacgctg agacagcggg tactggaggg ccgcttcgcg atcccccttct tcatgtctca 480
agactgtgaa aatcat                                         496

```

```

<210> 1601
<211> 409
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 45, 47, 192, 217, 240, 319, 322, 342, 386
<223> n = A,T,C or G

```

```

<400> 1601
acactgagtt gccagaaaac gtctactcat cggattgcta ctacncngaa atcctcaaag 60
caagaataaa atatgatccc ggagggatag atttaggctc tactcagttt tcgtcccatc 120
agaaagcctt tttgagctaa ggagaagaga gttatggctg gtgtctcccc tgctgtcctt 180
ggatgccagc angtcacctt ggaaaggaac acggcantcc atgaagtcca agaaaatatn 240
acatttaggg gacagtttaa cactggcctc cagcaacact gacttttgcc ttcagcctct 300
tacaggaaac ctgggttttna anaatccaga tgaaaatgtt gncttctccc cattcagcat 360
ctttcactgc cttggcccct ccttgntccc ttggggagca aaagagcca         409

```

```

<210> 1602
<211> 220
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 28, 51, 57, 69, 72, 88, 95, 104, 142, 158, 159, 169, 170,
180, 187
<223> n = A,T,C or G

```

```

<400> 1602
ggctggcctt tctaagcagt taggagcnac gtcattgcatt ttttctaaat ngggccngtt 60
ttccagtgnc ancagcacag ccttgctngt acaanaaaaag cggntgggtc ctgcttcctg 120
gacactgctt gaagttccac tncgtgacttt ccttttgngg aaggaacann aattccgtgn 180
gaatgtngta aagcttgaaa taaacccttt tttctccccc         220

```

```

<210> 1603
<211> 165
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 71, 86, 119, 124
<223> n = A,T,C or G

```

```

<400> 1603
gaacggggag aaaatgggtt cctggcttcc ctgtcagttc aagaacatcc ctgcctcaga 60
gcctttgaag ntacaggata gctaanaact cttgtagtga accatggctg cttctgttnc 120
cttnagaact ctgcttacat attaaagatt ctttggaacc tttaa         165

```

```

<210> 1604
<211> 172
<212> DNA
<213> Mus musculus

```

- REPLACEMENT COPY -

<400> 1604
 actgaggtga ggaaaccgag gctgaacaaa gggtattggt gagaaatcac acaggcagtg 60
 aatggtagaa tggactgaga ctggagcccc agtggtgact cagccattga cacgcaagcc 120
 tgcttatact gtctcacttt tacaaatcat gaataaaaaat aagaaatgaa ta 172

<210> 1605
 <211> 146
 <212> DNA
 <213> Mus musculus

<400> 1605
 gggagagggg gaggaagaag gtggtgctag tgggcgggtg ggacatcagt ggggaaccag 60
 tgaccaagca gttaactggt cctgaggctc aaacagggtc caagtaaaaa ttataacctg 120
 aataaaagat ttcagaagaa agaaaa 146

<210> 1606
 <211> 448
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25, 408, 413
 <223> n = A,T,C or G

<400> 1606
 agcctgaggt gtctggctat gacangatga agctggatgt ctccctccca gacgctggct 60
 gccagcaact cctggagcat gaatgcaagc tatgtacttt ccaggagagg cgaatgggca 120
 cacaagtagc tgctgaccct ctggtgaata gtcaaaggga tacatgggtcc gaaccagcga 180
 tgggaacagc aaacaaggct ttcccttgga aggtcccagc aagggtgtctg gacccacggc 240
 caagtgcacc tgctgttgtg accaaggaaa gctggagaga ggcaggctga gtctgtctgc 300
 aggcacgtta ccggatgccca gtctgagtc tcaactcgggt tatcatgagc caaggagaaa 360
 aggagattcc tggactgaca gatactcctg ggccccaaag aactgcanga atnggaaagc 420
 ttttcagtct ttccaaaaga aagctgat 448

<210> 1607
 <211> 155
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 31, 62
 <223> n = A,T,C or G

<400> 1607
 tgtgccatag aggatgctgg tggatcatggt ntccaccagc aaagaagccc tgctgttggt 60
 angttctgat ggtggaagag gataggactg acctgggggt gacatctgtc tccccccagc 120
 ttacattaaa ggatatgcaa cctgaaaaaa aaaaa 155

<210> 1608
 <211> 126
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 23, 50
 <223> n = A,T,C or G

<400> 1608

- REPLACEMENT COPY -

ccgatgccag gatggcaagt ncntctcccc gcagtttgtg tgtgatggan accgagattg 60
cctagatggc tctgatgagg cccactgcca ggccaccact tgtggccccg cccactttcg 120
ctgcaa 126

<210> 1609
<211> 228
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 69
<223> n = A,T,C or G

<400> 1609
ggtgctggtg acattttgtg ggagcgctgg cttttacctg gcttactacc caaatctgtc 60
cttgggaana atgctcaaga agatccaatt tcatcgctgc agtcagtgtg caggccacgg 120
gaaacacagt cctcttatcc atacaaaaaa gacctccctc ttgctctatt ttgactactg 180
ctaacccccca aataaatata atctggaaag taaatgcaaa aaaaaaaaa 228

<210> 1610
<211> 111
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 34, 35, 68
<223> n = A,T,C or G

<400> 1610
gcaggctggg tgcagggctc caaggatgaa tngnngggaa tggactttcc cccctttttt 60
ccccctntt ttctaaagcg tgtctgccat taaaaatttg aaccttgagg a 111

<210> 1611
<211> 239
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 147
<223> n = A,T,C or G

<400> 1611
tccaataaga agaagttgag ccaggaaagt gctttcnttc aaagagtaaa ttaaaagaag 60
acaccgtgag gctcagataa acaaggcggt cgtgtcctga agaagtcaca gaaacagctg 120
tggtgtgagg ggagagtgga cacgtangag aaatcggagc tggtgtgata tttctgtcac 180
aaaagacttt cggaggaagg gaaaagacac gtttctagag aatgaaagag tgcagcgtc 239

<210> 1612
<211> 282
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 25, 36, 46, 47, 118, 140, 168, 174
<223> n = A,T,C or G

<400> 1612

- REPLACEMENT COPY -

```
tatagcctga cccggtncat gcttnctgaa gatatngcct tcctanntcg aacggatccc 60
aggaagtgtg ctcatagtta atacacgtta ctaactatag aatgaagaat ctgaaacncg 120
ctaggaaaag cttttgacan aacccaacta tggatcttga caccgttngt actntccgag 180
attttggtat tttctgtgga agccatacat tgaagtgtt gtctgcagta acatgatagc 240
tcggtatgca atgaaagagg tcttcaactg gaaaaaaaaa aa 282
```

<210> 1613

<211> 277

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 31, 33, 35, 56, 86, 96, 104, 150, 152, 161, 164, 195

<223> n = A,T,C or G

<400> 1613

```
agattgctga ggcccgcang accgtggagc ngntnaagct ggaagtgaac atcgancgca 60
tgaaggtgtc gcaggcagca gccgancctt tggctntctg tganacgcac gctaaggatg 120
accactggt gactcctgtc cctgccgccn anaatccctt ncnngacaag cgactctttt 180
gcaccctgct ctganccctc aagacagctt taccctcccc cgcagaagta tgaatccaat 240
aaacttggtg acctggtggt gcctgcaaaa aaaaaaa 277
```

<210> 1614

<211> 189

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 45, 88

<223> n = A,T,C or G

<400> 1614

```
aagctgcctt cctccaaaaa cttnatctga ctgaagactc cgaanacatg cactgaaccc 60
tacaaaagac agacttggga ccttccanct atagatgaac tctcttgcca aagccaaatg 120
gctgctgaac tttggggaaa gttacatgat agtgaggaaa acatagtatc tatctagaat 180
aattaattg 189
```

<210> 1615

<211> 213

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 35, 62

<223> n = A,T,C or G

<400> 1615

```
attcacttcc ttttcnacgg tggacaatgt cagcntaaac tgacctgcgg gggaagccct 60
gnatgatacc aaccccagaa gttgaaaagc taccacgggg tgggtgctag ggcgggctgt 120
gactttgttg gtagggccct tcagtgcatt tggccagccc tgagttcagt ctccagcgcc 180
aaataaagca gacacaacgc actaaaaaaaa aaa 213
```

<210> 1616

<211> 453

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 24, 31, 37, 48, 51, 59, 66, 71, 88, 97, 99, 103, 105, 107,
 108, 121, 129, 134, 140, 144, 146, 160, 161, 165, 423, 427
 <223> n = A,T,C or G

<400> 1616
 gactgagggc ctcaggggga ggangcggac nggtaantga gctgacgnat ntgatcagnt 60
 ccacngcgg ntcggaccag gccgcctnac agggacncng gancntnnca cagctcggaa 120
 ngatcagana cgantgggn acangnaact gcggggccan ntggngcaaa aatggagaat 180
 aagggcaagt cactccagaa cttgaaggcc cgggtcaggg atggatgctg ccacccagaa 240
 ggacctctct gtgaacaaac cctaaagtat gcctcatcaa tgccccagaa cccagggcct 300
 cgggtgcttcc taattcaatc aagcaaactg atgatcagaa ttcacatcgc cgggctcctc 360
 accaagacag acagacattt ggacagacaa gcgtcagtaa tcaaggtgac ccgctttttt 420
 gangggngta gctttcttga ctttttgtca aaa 453

<210> 1617
 <211> 292
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 24, 33, 37, 45, 97, 98, 101, 114, 165, 169, 185, 199,
 203, 206, 207, 210, 217, 220, 223
 <223> n = A,T,C or G

<400> 1617
 catctgcaac aaatgctgcg ccnngttctt tantctntat gaatncatgg aacgcaagaa 60
 aagttgcaact aaaaccctc ctgtgactca taatgannga nagccagggg ccantgcctt 120
 catgaggact tttccagagc tgccctgacc caccagatgg gcatnccang ctcttgggaa 180
 aaacntgccc tctgaatana atncanntgn atccccnaan aanacctgac cacctggctc 240
 tctgctcatg tctacaagaa tcttctatcc tgtcctgtgc cttaaggcag ga 292

<210> 1618
 <211> 482
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 369, 405, 407
 <223> n = A,T,C or G

<400> 1618
 gactgaggga agaagccagc tgcacccagt atctccatcc tttccaagcc tgataaccca 60
 tgtccagtcg gcccacatctg gtcacagcaa gtcagaggtg gaatgagctg aatcctgttt 120
 atacactctg agaaaaactt aatctggagc cagagtagcc tacacagttc tctttgactt 180
 ttcttggtcc ctttgctctg taattcagtg accttgtagg cccagtctct cttctacaca 240
 ctagaatagc cataggcaag gtctctgagg tctcagaaca cttcactccc ctcagctgac 300
 tgtacccact atggaacaac ctcagactga gaacccagcc cctagtaagg ccactagtgc 360
 agaaactgnt gaatttttaa aaccatgagg ccctgtcttg accananaag catcctcagg 420
 acaaggatgg tgcaaagtct gatggagcag ctggagaaca ggagccagga gaccaaactt 480
 tg 482

<210> 1619
 <211> 322
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

- REPLACEMENT COPY -

<222> 247, 273

<223> n = A,T,C or G

<400> 1619

```
gttctgggtg ctactgccaa atgttctggt acttaagtgt cgagacgccc agcctcacca 60
ccgacttagc actgcagcag cctgtactct gcaactggcc atagacgagc caccaggctt 120
ctagagtcgt ctcagcacc ctcgaagtc acctgactgg agcactgccg acgacgtgct 180
cttggtcaca tccctgtata gttctctggg aaagctataa atatataat tttggttatt 240
gttttgngtt ttccgttaca ttttatatct tgnatttatc gcccgatatg ttttgtactt 300
tttgttttcc taaaaaaaaa aa 322
```

<210> 1620

<211> 234

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 23, 24, 26, 27, 32, 48, 49, 60, 97, 108, 115, 129, 149, 150, 157, 183, 203, 206

<223> n = A,T,C or G

<400> 1620

```
ggggtagagg tcgcgcaaaa cnnncnnttt gnggaccctc accatggng cgggctgttn 60
actggagaag cgaggtgttt ctcaacagca agctgcntat tgggggcnaa gacntgttt 120
ttcccaaant tattttatgg ggacccaann gggcgngnga attttttccc ccatccccc 180
tcnaaagaaa cacccttga agntcnttgc cttttaaaaa aattcccccc taat 234
```

<210> 1621

<211> 438

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 145, 209, 262, 278, 362, 417, 419, 420

<223> n = A,T,C or G

<400> 1621

```
cagactgagg cactgaaagt cgccagcaaa caccatcaga ttgtgcattt ggatctgagg 60
agcaggcacc tggactcact caaggcaatt gtttttagag agtataatca gacctgtgaa 120
aattacagct ccacaacgtc tctgnaggaa gcgagccttt ctatgtgttt ggattcaaag 180
atcactcacg aaaacacaga agaaaaagng aggggtccacc gagtcactca agagaccttt 240
gggacctacc ctcagccaca gntagagtgc gcacagtnta agctggaaac caagttcaag 300
agtaacatag gggggggcct cttggccgac aggaaagagc ctttccggcg ctttgtaaag 360
tnttccagtc cacatctttt ggaagccttg aaaaccttaa ctccccccga aatgcanann 420
ccccactttt ttcttggt 438
```

<210> 1622

<211> 256

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 36, 47, 80, 84, 89, 95, 145, 213, 220, 227

<223> n = A,T,C or G

<400> 1622

```
aaaccaagt ccaggagctg nggaagctca tcgaacccat gcccgnatc cacgtgagcc 60
ccgagcagca gcagcagcan ctcnacagnc tccgnaagca agtgaggacc atataacgag 120
```

- REPLACEMENT COPY -

```
ctgctgcaga agtacaatga gcctntgcat gttttgagat ccccaaggac taggccagcc 180
cccaggagag ccgcccgtca gacggaaagc atnacgcggn gctccanctt cttgggagcc 240
ccagctcaaa actgtg 256
```

```
<210> 1623
<211> 159
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 19, 31, 54, 57, 65, 95, 104, 108
<223> n = A,T,C or G
```

```
<400> 1623
ttctcactgg gagagctgna gggtcacctg ncatatgacc tgaacccggc cagngcnnga 60
atganaagga ctctaccag cacctcctcg cagtngggag caanacgnca caatgttagg 120
tctcgatgga agaggacagt ggacaccgag ccccggcgg 159
```

```
<210> 1624
<211> 132
<212> DNA
<213> Mus musculus
```

```
<400> 1624
gaggaactgg gagggggagg caggagggcc aaaagttcaa gaccaccttg gctacataga 60
gaatttaaag cctgcctggc ctacatgaga ccttgtctca aaaaaattaa agatttaatt 120
ataaaaaaaaa aa 132
```

```
<210> 1625
<211> 341
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 24, 26, 37, 41, 42, 56, 67, 75, 98, 100, 106, 113, 120, 121,
126, 131, 160, 177, 185, 193, 194, 229
<223> n = A,T,C or G
```

```
<400> 1625
cactgagact ctacaggatg atgntntgaa aaacatnttc nnaactacat gccagnctgc 60
tttgtnctt tcttnctacc tgggtctccaa atggaaanan tccggnacga atncctcagn 120
nggganaccg nagtcttttt cacactggga tcacccacgn gcagcatctt ccgtgtntgc 180
tgaanaccat ttnncttttg gacaaccatt cgagccacca atgtgggtnt ctgttgtgag 240
acacatcctg taaatgctat cacatttgct accagagaaa ttctctgcag attccaaagg 300
ttgagggagg acaaaagcta gaactgtaat gaaagcgggt t 341
```

```
<210> 1626
<211> 342
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 48, 52, 54, 65, 83, 105, 123, 130, 172, 176, 180, 187, 260,
276, 280, 281, 287, 291, 292, 298, 299, 300, 301, 302, 305,
310
<223> n = A,T,C or G
```

```
<400> 1626
```

- REPLACEMENT COPY -

```

aactgaggcc aatctggaaa agaaacactc tacatgatga ccgtaagnac antntccatt 60
acgtnacctt tctaaccacac tcngaaagca cgccaagcca cctangcggg gcccacatat 120
gantcacctn aacataactgc ttgaaggccg gaatccttac ttcagtaccc tncagntggn 180
gggagangag gggtagagga atctgggttct tgggccagtc cactcgaagt gtgcttttct 240
gtcattgatc tcattcttgn catgtgatat ccacntgan ncctttntag nngaagcnnn 300
nngcncaaan gctcaaagaa cactggaata aagcttcgat tg 342

```

<210> 1627
 <211> 352
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 23, 35, 57, 70, 79, 101, 104, 110, 111, 118, 125, 318,
 328, 335
 <223> n = A,T,C or G

```

<400> 1627
gaggatccca tctgccatgt tnnaggctctg ccctncactg actgactaga tctctanccc 60
ctatatgggn acctgtcgng atgctgcaag atgaccctgg ngngaaatn natgccanaa 120
tctgnggacc aagggaaca caagccccag tgatgaagac agcaggtaac acctgacaga 180
tgtgtgttct accattatgg tgcatacgtg gctccaacca caagaaatgc agacaacagt 240
ggagatcagg gcaaggccat tgtgacatgg aacaggaccg ctgtgctggg ctcttcaggg 300
ttaggaaaac tgaactgntg ggatgctnct gacanggtac ccaatttccc ct 352

```

<210> 1628
 <211> 685
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 530
 <223> n = A,T,C or G

```

<400> 1628
caccagccag gggcctccat gggagcttaa gggccaggca gcagggtgc gggcacgagc 60
atggtgagac accagcccct gcaatactac gagccccaac tgtgcctctc atgcctcaca 120
ggcatctatg gctgccgctg gaagcgctac caacgctcgc acgatgacac cacgccggta 180
cctctacaac cgcattgggt actggagtga ctgggtccgtg cccatcctgg tgacctcggc 240
tgctgctttc acatacatcg caggcctcct ggtcctggca ctatgtcaca tcgctgtggg 300
gcagcagttg aacctgcact ggatacacia gatggggctg gtggtcatcc tggcctccac 360
ggtgggtggc atgtctgcag tggcccagct ctgggaggat gagtgggagg tgctgctgat 420
ttccctgcag ggcacggcac cattcctgcc tcacacccaa ctgtccagca ggcctctggg 480
gcagaagaag ccttgaggac caggtgaacg acagactgat ctgacctcan gttcccacag 540
cagcggccac aagggaatg ggccacctgg gcgaacacat tgggctcagt caagcatggg 600
ccttttggcc aaaagggttg ctacagtaga aaggaacca aggggcaaag acaattaaaa 660
gctgccattt ttgaaaaaa aaaaa 685

```

<210> 1629
 <211> 323
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22
 <223> n = A,T,C or G

<400> 1629

- REPLACEMENT COPY -

```

gactgagggc aggtaaagat gngagtgaga cacacgagca cctgccagta gcctgcacgc 60
gggatgcagg cgtgggatgc aggcgcccac tggcaggcgt tggttggtcc aagggttgca 120
gctctccgtc tgcccatgct tggagagatc cgttgttcct gctcctactc aaagcacaca 180
gaaggaaacg ctggcacatc gggttctagaa taaattacca ccctgtggaa agaccaagcc 240
gcttcctgtt ggaggacccc caaatgatgg gagacagttt tctgttaaaa gaacagtaaa 300
gccattctat atacaaaaaa aaa 323

```

<210> 1630
 <211> 202
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 58, 128, 138, 141, 151, 176, 177, 178
 <223> n = A,T,C or G

```

<400> 1630
ccgcccagcc tgcctnctat tagggacgtg tcccggaaaca ctcttaggga gtggtgtngg 60
catcataact tgagtacgga tggctagaaa gttgaggtct atttgagact tcggagacac 120
tcctattnta aacaagantg ntatatccc natacatctc gggaggccag aatgannnag 180
ggtcccaaga aatccaagat ag 202

```

<210> 1631
 <211> 303
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 74, 75, 78, 79, 235, 246, 254, 255, 272, 287
 <223> n = A,T,C or G

```

<400> 1631
tgagagtacc tgatacatc cctggggctg accccatctg atcgcgctga atttcatcat 60
cacctctttt ggcnnngcna gcgcaaggtc ttctccgaaa gtgaagggtga cagacaccga 120
cttcgatggg gtagaagtc cgagtatttg aaggttctcc gaaaccagaa gagccgctgc 180
gacgcagcgt catctatatc cacggaggag gctggggcct ggctagtgc aatancagct 240
actatnacca gctnntcaca acaatggctg angagctgaa ctccgtnctc ctttctattg 300
aat 303

```

<210> 1632
 <211> 312
 <212> DNA
 <213> Mus musculus

```

<400> 1632
agcctccccg tcgtcctatg gattggcagc ttggtgctgg ggctgcttgc actggtcttc 60
cttgccctacc gcctgtggaa atgctaccgg ccaggctctc gccagacac tagctcatgt 120
acacacctat gaagctccat tatgccagac taaaggaggc agagagtgc cagctgcagg 180
atgtggggca tcaagatgat agtgtggcct ctttccttgg tggtcagcac atctataagt 240
ttctcctgac ttctgggctt ttctgcctgc tggcccagag ctaaataaaa gccccgtatc 300
taaaaaaaaa aa 312

```

<210> 1633
 <211> 117
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

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```

<222> 60
<223> n = A,T,C or G

<400> 1633
actgaggttg aggggaagctg aggagtgacc tgggaccttg cctatgatgg acaaaaccgn 60
tgagctccat acctaaccct tttaaaataa aattggatat tgccgagaaa aaaaaaa 117

<210> 1634
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 19, 23, 51, 53, 61, 74, 76, 79, 85, 108, 116, 125, 151,
155, 156, 159, 163, 166, 167, 169, 171, 181, 194, 196, 197,
225, 228, 229, 242, 248, 249, 377, 405, 415, 417
<223> n = A,T,C or G

<400> 1634
tcttgacgga actctncang gcnngacagg aggcattggct ggggccatat ntntactgcc 60
ncgaatcgat gaantnganc tcggnacccg gggatcgaag atcctatncg gaaggnccta 120
ttctntagaa agtataggga ctccggcctg nggcnnngnc tcngcnnt natgcttact 180
nactggacca tacngnncat catcttcctt gaacaacgac tctgnagnnt gggccgggcc 240
tntggacnng acagagcgta ctaaacgaga gtacttcgct tggctactg cttcgtaaga 300
gtttttcttc ttctggctac acaaataaga ggaagtggag aaactcacag gagggcttgc 360
ttttacagaa aatctgntta acctgctaag cagcctgcag aaggncagag gcagntncat 420
ttttagactt cgcccctcta acttttctct ag 452

<210> 1635
<211> 392
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 98, 104, 108, 110, 122, 127, 129, 135, 139, 140, 151, 154,
156, 157, 159, 161, 167, 170, 173, 174, 176, 181, 182, 185,
186, 192, 199, 203, 217, 219
<223> n = A,T,C or G

<400> 1635
tgagctgggtt cgatgcccag acctgaatgc tgtgctccag ctgtggcctc accggtgctg 60
aatagagagg aagagccacc ttcatagctt acatgagntg gctntggntn tacaacctat 120
gntggantnt acctnagtnn gactggatga nacnannntc ncgcatntan atnntnatcc 180
nncanntgag gnctcgggnc ttntcttgca ttgctanang acacaccctc aatcctacca 240
atctaagtct cccgcctttg tttgcctgcc ctctcctctt agactcctca tgcattcatg 300
cacaatgaat gtcattctttt tattctctga ttccctttta ctttaattct aaactcttga 360
caagactttt actctgtcct ataaaaaaaa aa 392

<210> 1636
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 36, 44, 48, 50, 56, 61, 68, 73, 74, 75
<223> n = A,T,C or G

<400> 1636

```

- REPLACEMENT COPY -

```
gtcccccgaat gacccgggtan caaaaagaag acatanaaaa cacnctgntn tggccnatgg 60
nctcaacntc acnnnctggg ggacaggctg cccatctcgt tgataaattg actatgccaa 120
taaattaaca tggttcactt tcaaaaaaaaa aaa 153
```

<210> 1637
 <211> 331
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 36, 41, 43, 46, 85, 115, 117, 119, 120, 121, 127, 142,
 207, 221, 229, 257, 276
 <223> n = A,T,C or G

```
<400> 1637
ggatgttctg atttcctgat tgcctcanac gtaccnaatc ntnatntaaa ccaagggtcat 60
gacatgttgc caccgcacac gtgtncattt tcaggattat caagtgaatt catgntncnn 120
nccccantca cctcttcact cnctgaatag aaggacttgt aaagtaaaat agcccatgag 180
agagaatgca catatgggag aacagangtt ggggccctat nagaagtgtt ggcacctgca 240
cctgacctgt gagagtnact gttccagggt tagctntgag acatcactca ttggcttggt 300
ttggaattct tactctaaat gattcatttg a 331
```

<210> 1638
 <211> 196
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 36, 41, 50, 63, 65, 66, 72, 80, 81, 83, 113, 121, 133, 138,
 141, 143, 179
 <223> n = A,T,C or G

```
<400> 1638
cctcctggac ctggaattct aaaggctgga agctgntggc natggatgcn agccctgtga 60
acnanngtcc tntgcatgan ngntccacac tcctaactgg tgagccatcc ttnccgtecc 120
naaagaaaga acntaaantc ntntctccat cctgacttc aagctgttct acagagcant 180
agtgataaaa aaaaaa 196
```

<210> 1639
 <211> 101
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 76, 84
 <223> n = A,T,C or G

```
<400> 1639
ggtaagtctc gaaattcgat atcaagctga tccggaaccc ttaatatataac ttcgtataat 60
gtatgctata cgaagntatt aggnccctcg aaaaaaaaaa a 101
```

<210> 1640
 <211> 541
 <212> DNA
 <213> Mus musculus

```
<400> 1640
gtgaaaaaga agggtcagac atatatgaag aaaacctgca ctaccactt ctgcttattt 60
```

- REPLACEMENT COPY -

```

taaccaaaaac gggatagaag aaaacatcag atgcagagaa agattttccac actatatgag 120
aactccgcca cagcgcctct gggactcagg gctccacca ctttcgaaca ttccgcatct 180
tgggactccg cccagcccat tactccggcc ctcggcagct ctcccaccct ccgcagcgcg 240
ctcgctccca ccagtccttt ttaaggaagc ttgttgctct tccgtaccaa acctttgtgt 300
gtttttctgt gtcagcagcc tgtcttagat cagaatttga cttgtggagc aatctaaata 360
gtttttctctc taaagcaciaa tttcttttga tgattttccac ctgccgcccc ccctcctttt 420
ttttaattgc ctttggttctt gtttggtaat agtattcttt atccacaaac acagaaagca 480
tcacccttct tttctggata aataaaciaa ccttatTTTT ctgatatctc aaaaaaaaaa 540
a

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<210> 1641
 <211> 291
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 29, 32
 <223> n = A,T,C or G

```

<400> 1641
ctttgaatcc ctttggaacc tangaagcnc tnttgaagag atcctagcag ccagaggaga 60
ggaggtacgc cgagtgtctg gtgacggtgc cctggaactg attctggagg ctgctgtacc 120
ccctgacacc ccagaagggg atgaggatcc cccaaccct ggcaagatgg gacagagctg 180
atctgcatac tcctacagct gcagactcca gtcttcccaa aagtcgctcc cttcacttgg 240
agcctcaciaa gcctgctgct gttccttgct agtaaaaaac catcacctcc a 291

```

<210> 1642
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 35, 78, 82, 87
 <223> n = A,T,C or G

```

<400> 1642
ttcaagctcg ctttgctaaa cttcgaacna gaacncatca ctctaaagg tcccagcggc 60
aagggggcca cccaaaangt cngtacnccc atgtactatg tgt 103

```

<210> 1643
 <211> 502
 <212> DNA
 <213> Mus musculus

```

<400> 1643
aaggggagat gggcctgaag atgatgaagc tggtgaccaa gcaggagtag ctgagctggc 60
tggcctgga ggcgctaaga gcagagccca ggatgcaggt gctaattgtct atccctgggtg 120
ctcttctccc ccgctctgcc atgggatatg actctgggag cacctgctct ctcccgtacc 180
aaaagactgt ggccttctgt gtctacttag aaatcagttc tgcttcccaa agagtattta 240
aaaccagact catttaatca aagtgaaggg ttgcaatcga ttggtctctt actacaaaag 300
cagttgatag cacatgtaaa tcccagcact tgagaggtag aagaagcaag aggatggatg 360
agaggttcaa acgcatccgc agctacgtcg aaagttcaaa agcagcctat gccaaacagg 420
gagagtccct gtccccaccc ccacccccaa aaaagagcaa aagcaaacca catgatttat 480
aggcaaaagc agtgggaaag ac 502

```

<210> 1644
 <211> 191
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 67, 70, 74, 83, 100, 109, 148, 163, 168

<223> n = A,T,C or G

<400> 1644

gaatattcct	agcataaatt	tatatattcca	acatcaattc	gggtcattgc	ctctggtagg	60
acgcacnatin	atantctcaa	canaaaaggc	agcgcattcan	tacacacana	ctcaaacttg	120
cttcgtcatt	tactcatcgt	tgccacacac	tacctactaa	canttatntt	ttgacatgga	180
cactgcttta	t					191

<210> 1645

<211> 193

<212> DNA

<213> Mus musculus

<400> 1645

gttgctcctt	gcaatcgtct	tgctctcttg	gggattcgtc	atctatgcat	cgactgtagc	60
tgcacgacga	caactacaga	aggagtttcc	agacaagtcc	ttctgaacga	acttttgtaa	120
ttcttagcaa	acacttcttt	tcttcagatg	gcacctatgt	agactcaaag	taaaattcac	180
aatacaaaaa	aaa					193

<210> 1646

<211> 239

<212> DNA

<213> Mus musculus

<400> 1646

ttaagcaccg	gggccctggg	aaaagatgtg	gccgccatga	ggcttggtat	ccccatttgc	60
aaccagagc	caagggttcc	tccctgttat	ggttgctggg	cgattctgag	gcactcctcc	120
acactccttt	gtggcaccaa	tcattgacgt	gtgacccaac	caagaagaat	ccacgtggcc	180
ttgtacttta	tcctcactgc	ttaagggtgcc	cagaataaaa	gctaaccctt	tcttcttca	239

<210> 1647

<211> 425

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 370

<223> n = A,T,C or G

<400> 1647

gggatgagca	gctggccagg	tctgctgaag	cctggggccac	ccagtgcac	tggacccatg	60
gaccctcaca	gctgatgaag	tacgtgggcc	agaacctctc	tatccattcc	ggccgggttcc	120
gttctgtggt	agaccttggt	aggtcttggt	ctgaggagaa	gcgccattac	tcattcccgg	180
ctccaaagga	ttgcacccca	cactgccctt	ggctctgcag	tggtcctgtc	tgctcccact	240
ataccagat	ggtgtgggca	tcctccagtc	ggctgggctg	tgccattaac	acctgtagca	300
gcatcaatgt	gtggggcaac	acctggcagc	aggctgtcta	cctgggtctgc	aactacgcca	360
ttaagggcan	ctggatcgga	gaggcaccct	acaaggccgg	gaagccatgt	tctgcctgtc	420
ttcca						425

<210> 1648

<211> 273

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 21, 26, 28, 32, 44, 110, 137, 141, 150, 153, 154, 157,

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160, 162, 167, 174, 194, 218

<223> n = A,T,C or G

<400> 1648

atccttgaac	ttcagantct	nctagntntc	cntcccaagt	gcangcaggg	atcacagaca	60
ctgatccatt	gcacccagct	tacagggaag	aatgggtggct	gagtctggcn	tgactgcctt	120
aaatgaaatg	atagaantgt	ntcttttcan	atnnttnctn	tntgtgnatt	aaangtgtgt	180
gtctactctg	cttncagctg	aaaggctccct	gagacagncc	aaagacacac	cctgtagatc	240
gcctaagggc	tggctccagg	taccaagaat	ggg			273

<210> 1649

<211> 264

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 170, 171, 174, 176, 177, 185, 186, 233

<223> n = A,T,C or G

<400> 1649

cttccgtcag	agaataagca	cgtgtaccct	aggaactaca	tagtgaataa	gagatgtact	60
gcccacctgt	aagccgcact	acttatgtac	tgtagcaaaa	taatgaagat	tgactgaacc	120
tgtctaaaaa	tctaaggaat	gtacccataa	aagtcacaat	gaggtgttan	ntgngnnatg	180
tgtgnnttgg	gagcctctgc	catttgtcag	actgcacagc	aagccaaatg	tanaatggac	240
gaagtagtaa	agctcttgtc	acca				264

<210> 1650

<211> 460

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 416

<223> n = A,T,C or G

<400> 1650

catctctact	gtagagact	caggccagga	aacgtctcta	cttccccatc	ttctacacct	60
accccaaattg	gcaaccacaa	gtccaatgtg	atcaggaaga	aacagggtcca	cctcgaattg	120
gctgttacca	tatctcaaca	gaaaacacgg	agaattcgaa	attcgacggg	attaaaggac	180
gcgtgaaagg	tttgagagaa	gagagatgcc	gctattgaat	ctgctggagt	tttatatccc	240
aagatgaaga	cagcattcag	aattgatgtg	atttccttga	atgtggctta	ggaaatgtgg	300
acacttaaaa	ctctcacttg	aaattgggca	caggtttgat	gtagagataa	ggacgggggtg	360
cggaatggag	acccattttg	tcattgattc	atctgaccga	taaggccata	gtgcanttag	420
gtgatattcg	aaagcttctt	tgatgctctt	tatgtatatg			460

<210> 1651

<211> 399

<212> DNA

<213> Mus musculus

<400> 1651

cttctaakat	ccgtgtttga	caatagcatc	aagacctttg	gagtaattga	gagtgaacctg	60
tttgactggg	agaagagtgg	aactgatggc	tccctgacaa	ccaccaccac	ctctgccacc	120
cctcagctgc	acacccgcct	gacccctgct	gctatcgga	ttgcaaattgc	cacccccatc	180
ccaggagact	tgcttcgaga	aaatacagat	gaagtgtttc	cagatgaaca	gcttagtgat	240
ggggagaatg	gaatccctgt	tggtgtatca	ccagataaat	tgcctggatc	tctggggcac	300
ccacgccctc	aggaaaagga	tgtctgggaa	gagatggata	tcaacaagaa	caagataaag	360
ctgggaattt	gcaaagtgtg	tatttcttaa	aaaaaaaaa			399

- REPLACEMENT COPY -

<210> 1652
 <211> 207
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 31, 44, 67, 71, 104, 105, 137
 <223> n = A,T,C or G

<400> 1652
 tcgatcagcg gtggaccgna gagggagcat ncttcgcatc agangtctac cgtgcacatt 60
 ctggaanaga naatttttgaa cttcatgggt accaaacgaa caannccaag actgatgagt 120
 tgacctactt ctaagcngca aattctaaag tgatctgatt ccgttcatta gagatttagc 180
 catgaataaa gaagcattct tcaaata 207

<210> 1653
 <211> 310
 <212> DNA
 <213> Mus musculus

<400> 1653
 gttctatcag aaatacttga gctgtgctga gggggcagga agaggaaagt tccagccaat 60
 gaagagtcac gagaggggaat gtgcctttgc ttgcggttcc ggagaccctc tgacttgctt 120
 gcctagtccc tacaaccgct gagttgataa ttctgtccgg gagagcttct ctgcaggggc 180
 tgctgggtaa tgcttgtgac ctcatttcct gggttggaagc tgaactctga agggcttggc 240
 agttctgttt ttttcttttt ttcttttttc tcctacaata aatttctctg tgatctccat 300
 aaaaaaaaaa 310

<210> 1654
 <211> 554
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 481, 528, 530, 531
 <223> n = A,T,C or G

<400> 1654
 gatgtgctat gaacaatttc ctcgagtcctc tgcggctgtg acttccctgc tatgctggac 60
 tataacatgg aactaggagc agagaggaac cctgcggtca cttcctcttc tacattgctt 120
 ttgtcaagta ttttatcaca tcaatctgaa acttaatttc taaacagaga atgtcatgat 180
 gttgtaagtt tatagatggt ttatggatag gcctagtaat tagtgctgaa atgtaagttc 240
 tgtgtgatcg ttgggtgtgt ccaacatccc accagtagcc ttgggaggag cccaagtggc 300
 cgcacaattg aacaagccaa agcccaagac aatgtatcct gctacaatga aagccttgtg 360
 ctactttaga aacctgattg ccagcaacat tgtatccagc ctatcacaca tgcaatgaaa 420
 tggtaactct ttgttctgtc agagctaaat cactatttgg gcaaattcat ctccttgggtg 480
 ngctcagcat tacagaataa tataatatct gagtaggaaa gtaggatnan ngaaatgggc 540
 tttttccttg agcc 554

<210> 1655
 <211> 286
 <212> DNA
 <213> Mus musculus

<400> 1655
 gagggtgatg cccagccggg agtatctcat cccatcagct acactaagcc cacagcaaga 60
 tgcaggatta taaagctact ggaaacagca tagagacaac ctggaagagt gccctgctcc 120
 acacagccct aaagggccca ggggagcact ggacacactg tcaatgaagc atccgtcctg 180
 tcccttcctc tctgtttccc tgccctttcc actcttctgg acccagcctc tgaagactgt 240

- REPLACEMENT COPY -

catgtcctgc acaattaa aaa tcttggtgcc accctaaaa aaaaaa

286

<210> 1656
<211> 421
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 52, 166, 371
<223> n = A,T,C or G

<400> 1656
aactgaagca gaaagaagt tatgtctacn gtctctggac caaaggcctc anagaaatct 60
gacctgggct tctgagaagg ggaccacaga gatactgttc tctaccagga tggttgcaat 120
ctccccttcc agatcaccga ttctccctaa gacacgcaca aaatgnccat ttggatacac 180
tgatgttgcc tcccaggagt caatgcgcac aaccaccctg aaatcctgca caaagggaaa 240
aatacaaagt caaccaaggc tggagttaaa tggcccaatc tgaagcatca gactaaccag 300
atgaacagag cagagcacac acaggccgac ctgcaaacgg cggcttgacg aggcttactc 360
tgctctctgg ntgctggtct tggcaatttt taaaatggcc gggttggtttg caagccactg 420
g 421

<210> 1657
<211> 485
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 374, 377, 396, 397, 422, 433, 459
<223> n = A,T,C or G

<400> 1657
gattcgctc cccctgaagt aaatcggatt ttgtatataa ggaatttgcc atacaaaatc 60
acagcagaag aaatgtatga tatatttggg aaatatggac ctattcgta aatcagagta 120
gggaatacac ctgaaaccag aggaacagcc tatgtggtct atgaggacat ctttgatgct 180
aagaatgcct gcgaccacct atcaggattc aacgtttgta acagatacct tgtgggtttg 240
tattacaatg ctaaccgggc atttcagaag atggacacca agaagaagga ggagcagctt 300
gaacttctca agggaaaagt atgggcattc aacccacagat ctttcccaag gtggaatgga 360
caggccacgc cgtnggnccc ttgggttacc ctgggnnctt ctttcttctt ttcctttttt 420
tnaatttagg tancctggga ataatttggg ggaaatttnc ctttaatttt tgggggggaaa 480
ccttt 485

<210> 1658
<211> 400
<212> DNA
<213> Mus musculus

<400> 1658
ataccaagaa tttctaacca aagtattaat caggctcctg ttgcaagatt accagttgct 60
gcccacagaa gagccattgt ccacagagga tcttgatgcg aaggtttacc aagtagatac 120
caatggtgaa agccagccac accccagaat ggacaacacc cctagacagc aggaagcagc 180
ttaagagaca cgccaccctc attccctttt caccaccagc tttccctca tttcttcccc 240
ttctctttat aataacaaga agggaggtat gttggtatca ggacctetga aacctgtgac 300
atcacatagg caacaatgtg acctacacac ttgttgccaa gacaatggcc accatattcc 360
cagcatccac tggactcacc ttccacctt atctttacct 400

<210> 1659
<211> 310
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

<400> 1659
ggaccgtggc taggctccat tcctgtttgc tccttttctca ggattccttc aagggtcacc 60
tctggctggt acaaagtagc tggagggaca aataagaaaa cccaacaata gggcaaggtc 120
acaaagtttc taaatgaaac tgtacagaga gatgaaagat ttgggccttg aaataggcgg 180
tttgtatccc ttctccaagt agagccctgg aggcattttg gaggcctggg gtgtaactta 240
cagcacatag ctttttggtt tctggagaca acctgtcaat aaaagctggt ttccctggta 300
aaaaaaaaaa 310

<210> 1660
<211> 260
<212> DNA
<213> Mus musculus

<400> 1660
ggaaatatgc tggctagctg gtgggagact ctgcagttga ccttgaattc ccttgacctc 60
ccgtgtccag acaaagattt cccactccat gctactgctg aagtctccga ccaatgaagc 120
agacgagga gaaccaatcc cactcccacc cattcttctg cagccaacag ctggattgat 180
ctccaaacaa gtcggaagag atgcgtaatt gaattaaaat cataataaat tgaagccaac 240
tcgttcgatt aaaaaaaaaa 260

<210> 1661
<211> 104
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 20, 23, 72, 84
<223> n = A,T,C or G

<400> 1661
tatggcattt gcctcgnttn canggggttc caagcagtga gatcacgcag ttagctgggt 60
tataccttct tntctttctc cctntgtccc atctgagcca gccca 104

<210> 1662
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 363, 375, 377, 386
<223> n = A,T,C or G

<400> 1662
agggctatga tgaatcaaaa acctaagtcc ctggctccta ctcagacaat cctcagcaat 60
tccgacatca aaaaaagcaa gcaggaagca aatttgtaga cctcttcagt tttgctgagc 120
tgtgttggtt atctccagat gttttctgta ctattctcag aggcataatt gcagtagata 180
ggccagtgtt taagagcagc aggccagcaa caaagcaatg gtatcctaag tgggatctgt 240
gctcttggtt gagctgcccc agcctctcag ccgcacacgg ggagtctact agtttgggca 300
gcgaagacac atatctggct gcgcttcaat tactggcaaa cagtgatctg ggacttcagc 360
ctnaaacaga aaccnancgg ttaatngtga tctagtggga gcctgcaggg gtttcttaag 420
aggaagtact taat 434

<210> 1663
<211> 361
<212> DNA
<213> Mus musculus

<400> 1663
gcgtgcgcca tcgtgctgga gtgaagtccg aaaagacaag aactgaagcc aagaagagca 60

- REPLACEMENT COPY -

```

cgaaattgaa atgttggttt aatcctgggg ttatccggaa ttgggtgacc ttgagcgaat 120
tattcaacct ctgagtactc cgtgtccaca tategcagga gctatgtatt tgtcttggtg 180
ttgttcttgt ttaaattggtt ttccccccatt taactcgcaa actaaccacac cgaggtagac 240
tctgggaatg gaaagataag ctgagttcag gatttatctg gtctcctttt aagtcctttc 300
attacttact gtgccacctc gtctaaatta aattcattgc tccacctgcc tcatgcaaaa 360
c 361

```

<210> 1664
 <211> 348
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 37, 39, 48, 53, 54, 55, 97, 98, 147, 150, 151, 153, 154,
 174, 177, 211, 213, 218, 294
 <223> n = A,T,C or G

```

<400> 1664
aggacaaatg cacggtatga agcctgacct acaccgnana agagaaantc ctnnntcctg 60
tgtgcccacc cccgaagtgc cctgagcctt gtcctcnngc aaagtgccct gagccttgtc 120
ctccccccagt atgctgtgag cattgtntctn nttnaaagtg cctgagcctt tgtntnccc 180
cagtatgctg tgagccttgt cctccccccag ngngctgnga gccatgcccc cctcagccat 240
ggcagccaaa atgccctcct gtgcaatttc caccatgcca gcagaagtgt tcanccaaga 300
ataaatgagg gtttcccagt catcaggact gggaagtaag agaatct 348

```

<210> 1665
 <211> 255
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23
 <223> n = A,T,C or G

```

<400> 1665
agcaagtgtc tggagaaacc canctctctg catgcctctg acgcaaactc tgccccccaga 60
gcagacgcct gaaaatgaaa accaggaatg aaacagggcc aggattacac aaatcttcct 120
aaaagagaca aactcttagg tacttttgaa cttatctatt tggtttattg ttgatgcttt 180
gctttctgag acagtcttat caggtccagg ctggccctga actagctctg tgctggagac 240
gacctcaccc tgatt 255

```

<210> 1666
 <211> 148
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 35, 44, 52, 53, 54, 60, 69, 74, 78, 79, 131
 <223> n = A,T,C or G

```

<400> 1666
agagtatctt gggaggccaa ccncaaaggt ctttnggatt aacncaccac annngcacan 60
tgtgagganc ggcntgcnaa cgcttacggc tatgcaagge acagatcttt cccagcatgg 120
gaaagatcct ncctccctct ctctctct 148

```

<210> 1667
 <211> 317
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 1667

```

ggaaacagag ggctactcag gctccgacat taagctggtc tgcagggagg cagccatgcg 60
gcctgtgcga aagatcttca gtgtgcttga aaacaaccag tcagagagca acaatttacc 120
tgggatccag ctggacactg tgaccacaca ggactttctg gatgttttgg ctcacaccaa 180
gccttcagca aagaatctga ccgagagata cttggcctgg caagagaagt ttgagtctgt 240
ataaagctgt gcccagcctg acctggccag aggcagccga gagcctcccc agcgtgactg 300
ggatggaagg gaggaag                                     317

```

<210> 1668

<211> 357

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 223

<223> n = A,T,C or G

<400> 1668

```

gtctccgctt catttgtcca aacctgcatc aagccaaggc cttggaggga acaaatgacg 60
gttctgagga gtttcctgga aggcttaatc ataggaggca aaggtgggga aaagccacag 120
tggcagttag gcctccgagg ctcacaacag tgcggagcct ataacactcc aggcctgaag 180
gggcagaggg agggggagct ttgtggagta agagatcacc tanaaagaag gttgtaggtg 240
gagccagggg ctttggagag aagctgggtg agccacaggg cttaaggagc atcaacaccc 300
cccattcccc actgtcgtcc ttctcggagc accaccatgt aaccaggaac accctgg 357

```

<210> 1669

<211> 170

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 85, 86, 87, 91, 92, 94, 95, 96, 99, 104, 107, 113, 116, 123, 154

<223> n = A,T,C or G

<400> 1669

```

gaatgaagac accggaggaa tatatcaaac cttgctgtgc caaggccccc tggaactcac 60
aagggggaag aaaaggaaca aaagnntat nncnnnatnc aatnggntat cgnganaaat 120
tantcattgg agatattcac ggaagacatc ccangctgtg acagtgtatg 170

```

<210> 1670

<211> 160

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19

<223> n = A,T,C or G

<400> 1670

```

gaagaagagg aagaactang tggtaagagc ggcctccagt ttcgaactac cttactagaa 60
ttggaaggct gagctcgagt cctcagagat caagtccagc cagagtcttc agagatcaag 120
tccagccaga gtcttcagag atcaagtccc agagtcttca 160

```

<210> 1671

<211> 685

- REPLACEMENT COPY -

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 503, 519, 533, 571, 612, 627

<223> n = A,T,C or G

<400> 1671

```

gtaaggaact gccaatcacg tgaccgtgcg caggcagtgg catcatcata actcgcggag 60
ggacatccgc cttgatcctg gcatattttg cttattattt ttactttaag agaaagtgtg 120
agtgagcagg ggtcagttca gtgttttagt gggtactttc acaaccccca aggcttgatg 180
ctgaatgggc ttgaagattt tgtacatacg tgtgtgcaca tgcacacagt gcagaaagcc 240
agtgttttta tttgtgaggt gttttttgtc gtagttcaca atatggagaa taattcacag 300
agacttgata gtaaagcttt acaaagacta aacctaactg aaacagaagg gtgttcatat 360
tgctctgact tcatactttg gagcaagctc ggtcaatggg ataatgactc ttacctgaga 420
ttcctttaaa ttcgctcagt gatcacttgg atacccttgc aaatgagaaa atgcagtttc 480
ccacctgcca atcacacctt cangctgtgg gttttttgnt ttggttttat tngnggttaa 540
aacgctatat aacaccacat gtgtgtgctg ntatgtagtc atatgtggtt acgtgtggtt 600
gcttcacaat gnacatgcat cgtgggnaat ttgccgttgg ttttcctct tagctggtat 660
accacaatgc ttggaaaaaa aaaaaa 685

```

<210> 1672

<211> 257

<212> DNA

<213> Mus musculus

<400> 1672

```

atgccagggg agcagatgaa ctgtcccttc aaattggaga caccgtgcac atcctagaaa 60
cttatgaagg taagtgaggc ttgatggctc cctgttgggg atttgggatg acgcttcagg 120
gtcttctcgg gaaagtgctt ctctgtcagg gtgctacctt ctcaggaagg acactttccc 180
cacagataga tgctcttcca ggcaaagggt gctcgggcag ctatttggtt aattcagttg 240
aggctttaaa aaaaaaa 257

```

<210> 1673

<211> 107

<212> DNA

<213> Mus musculus

<400> 1673

```

gtacaggtca agttcttggg gccacttct gagtttagaa gacctattac caaaagtgaa 60
gaactagact gtgggaaaat aaatggcttt tgactacaaa aaaaaaa 107

```

<210> 1674

<211> 398

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 346, 379, 382

<223> n = A,T,C or G

<400> 1674

```

acatgctggt gtctatacag ctgaagaagt ggctcttatt atgagagaaa agctaattcg 60
tttgagctct ttgtacattg atcagtttaa aagactccaa cacctgctca aagagaagaa 120
gcgccgctat ttacacaacc ggaaagtgga gcacgaggct ttaggtagta gtctcctgac 180
tgccctgag ggacttttgg ccaaagagag agagaattta aagcgactaa aatgtcttag 240
gcgataccgt caacgctatg gagtagaagc cttactacac aggcagctga aggaacgcag 300
aatgctggcc accgatgggg ctgctcaaca ggctcacacc actcgntcca gtcagaaggg 360
cttaaccctt ggggatgang tnccctgtcc aatcagct 398

```

- REPLACEMENT COPY -

<210> 1675
 <211> 118
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34
 <223> n = A,T,C or G

<400> 1675
 taaatacaat gccacaataa tgactctgga gcangttaag aatgcagcag taacagggag 60
 acttgatcat gttctctgga atagtctaaa ggaatgctct tgaacaacag gaattata 118

<210> 1676
 <211> 193
 <212> DNA
 <213> Mus musculus

<400> 1676
 ttgatgaagt gccagccagt tcgtcggctc agtgaacctg gggagttgag gcgagaatat 60
 gaagaggaga taagcagggg ggaggctgag cgacaagcca gcaaggaaga ggaaaacaaa 120
 gccagtgagg agtacatcca gagattgttg gctgaggagg aggaggagga gaaaagacag 180
 agagaaaaaa aaa 193

<210> 1677
 <211> 710
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 205, 325, 419, 483, 561, 601, 618, 638, 656, 659, 664
 <223> n = A,T,C or G

<400> 1677
 atgttccgaa attaacaat ataaacttta tccctggatc catcagttta gcaataatcg 60
 gagatcagct gatcagatcc gaccattct tttccctgat gttgacccc acagtcttcc 120
 tcctgggttct aacttttcca tgacagcagg agactttcag gagatttact ctgaatgcaa 180
 tgcctgggac tgtattgcca cctgnttctt catagacaca gctcacaatg taattgatta 240
 tattgatacg atatggagaa tactcaagcc aggtggaatc tggataaatc ttggtcctct 300
 actataccat tttgaaaatc tggcnaatga actgtctata gaattgagct atgaggatat 360
 taaaaatggt gttcttccagt atggatttca gctagagggt gagaaagaat ctgtattgnc 420
 aacatatact gtgaatgatc tctctatgat gaaatactac tatgagtgtg aactgggtgt 480
 ggncggaacc acaataatgg tcttaagtgc tattaccag aagaacattt aataagagta 540
 aatgatgaaa tgacaactca nagtcactat cggtgaccac aggacacaac cttcaaataca 600
 ntgggtgcct tcttaatnct aaccaattta caaatagngg ctattttctt aatgangcna 660
 ttgntttttt cagaatatac ttgccgggca aatttatccc acccagtata 710

<210> 1678
 <211> 345
 <212> DNA
 <213> Mus musculus

<400> 1678
 aagcctagat ttggaatcct cactcgggtg cagtgggtggc cctgggtcgtc ttcattctcga 60
 gagtctcatg aacctgtggg tctgggtgtc tcagctgact gacctgggaa tggctagaac 120
 ggaacagcca agcacgggca tgtctgctgt cctcacggca gccctgttgc atctggcagg 180
 gctctagctc tctccaaaca tgactgctgc cagcccagtg ctgtgggatt gtctatagcc 240
 aagttttgta gagccagtgg catctgggtt tggtgtgtgt ttgggttttt tggtttgttt 300
 taatgtccta ataaaacctt aaaagcatgc acatcaaaaa aaaaa 345

- REPLACEMENT COPY -

<210> 1679
<211> 194
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 52, 58, 86, 92, 95, 96, 97, 100, 113, 114, 115, 135,
141, 150
<223> n = A,T,C or G

<400> 1679
gctggctcga gtgtggaagn ctgcctgccc aaagaactgg acgtgaaact gntgactngc 60
atttgatgtt tgctttgggc ctgaantggg gncannnatn gagctcaccc ccnnngagct 120
attgctgaac aggtncactt nccccacatn gtaataactt tcctttttcca ctgcctctgc 180
tggtgtgctgg gcta 194

<210> 1680
<211> 270
<212> DNA
<213> Mus musculus

<400> 1680
ctgtgctgat gtccttgcaa aggcaggaga agtccatgtg acactgtgca gaggacaagg 60
tggaacgcct gctgacaagc ctcagagaga gtggcacaac agttggcaag tagttgccat 120
ggcagccctg ggaggggttca ttttaagtga tgtgtgtccc tttagctgtg aggctgtgcc 180
aggatacaag tgcactgggt ataggtaagt aagaccatgg gcctaaacct tctccccttt 240
cgtctttttgc atgaagtatt aaaaaaaaaa 270

<210> 1681
<211> 261
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 21, 72, 73, 95, 97, 116, 129, 141, 146, 155, 157, 160,
166, 172, 177, 188, 189, 198, 206, 208, 209, 219, 226, 229,
236
<223> n = A,T,C or G

<400> 1681
gatgacttcg agaggcntgc ngcgacctac acagagcgtg cgctgcgacg actcttccgc 60
accttggatc gnnacccagc actggcggag agagncntgc ggaagggcaa gcagantgag 120
ttcgagcanc gcgggctcct ntgcancctc tgggngngan ctgggngcac cntgcancca 180
aagccaanna actccctnaa cttggngnnt attatggtnt tcaaantgng gactgngaca 240
aagcaagttg gtgtacagga a 261

<210> 1682
<211> 187
<212> DNA
<213> Mus musculus

<400> 1682
ctgcttcagc accagcctgt ccagctgact tccctgttgg atcagtatgt caaagagcaa 60
aacgagggag attgtgccac gtcagccaat gagaagctac atcctcccga tcctgctcca 120
gatgcctagc cggcctgttt taccagctc tgcccataaa cacactctgt ccctgtaaaa 180
aaaaaaaa 187

<210> 1683
<211> 394

- REPLACEMENT COPY -

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 82, 84, 86, 94, 96, 112, 126, 138, 150, 152, 163, 179, 182,
187, 191, 193, 219, 378
<223> n = A,T,C or G

<400> 1683
atcgatcaca catggactgt tccaaagatt cgattggaag agcaaccggt caaggtttgc 60
tttactctgt gttctcttga anancnagtg aacngnacag agcatgggta cnaaactggg 120
acgcanacat ggacacangc cccactgan tnccttgtgt ctngacaggc acacctgana 180
tntgacntga ntngagggtt ctcaatgggt gaggcaaana gctatacatg ttgacacacc 240
ttataaccac aagcttaatt ctcaagataa gttgatatac agaacagtaa cttgctactc 300
tgtgaacccc atcacccagg tgtaatagcg tctagacttt tgaaaatgat gccttaccag 360
aagtttgcca tgggggtgngt tctttttgta tcct 394

<210> 1684
<211> 136
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 28, 39, 42, 61, 65, 71, 72, 76, 79, 86
<223> n = A,T,C or G

<400> 1684
cttccaacct tctattatnt gggacatntc tttatcttna anttactttt tttttctagt 60
ntatnccatt nnatangant ctctcngtcc aaaccttcta ccacaacaat ggacacaatg 120
ggtaccccat taaaaa 136

<210> 1685
<211> 173
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 142
<223> n = A,T,C or G

<400> 1685
ttaatgattc ttttctgcgg gatcaagaag atgggtacta tcccagagcta gtatctcgcc 60
agcaagaatt cactcggaca attcttctac ggcaaagctt tattgcttca tctgaaggaa 120
gaccccgaaac aaggaaaatg gngctgctta tatacccctc cgtgagatgc cag 173

<210> 1686
<211> 354
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 229
<223> n = A,T,C or G

<400> 1686
gcaccgagtc aaaagcatgg tcagcagcat ggatgctgtc tgctctgctt cccgtggaac 60
ctttccaagt gctccctttg cccgctgcct cttactctgc attctcctta aggaccaacc 120

- REPLACEMENT COPY -

```

ttcttgatct tgatcgaaca acccaattta ttttagtttt aaaatttcct ccaagaatac 180
tcttctagat ttggactctt agtttcttcc aaataatcaa gccaaagccnt gagagcaggg 240
cagacagctt tacttttggg aaggaaagca ggcttagaaa agtgggtgta cccagtgcct 300
caataaaaca gctcagtaca aataaccatt tgggggggata aagaagtctt actg      354

```

```

<210> 1687
<211> 300
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 104, 154, 157, 169, 180, 187, 190, 192, 201, 204, 206, 223,
226, 250, 272
<223> n = A,T,C or G

```

```

<400> 1687
cctctgaagg cccaggaacc cggaggtggt ctgctgagag tcgacatcat tggatggggg 60
gagagcagaa gggaggggaca cgaaaggcca tgggggagca gcancagcaa gaccctcagt 120
cgacacattg caggtgggtg ggaggctgtg acanggnacg tttcagatnc cacaatcacn 180
ccttgtnngn tntttccagg ntengnaaga tggcaggact tgntanggac accgaccgga 240
tacggacatn taatatccag ttctgggtctc tnagcctggg caaattactg gagcgttttt 300

```

```

<210> 1688
<211> 239
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 81, 101, 136, 164
<223> n = A,T,C or G

```

```

<400> 1688
ctgagtaatg gtcagcaaga cccagaaagc agacctgggc ccacaactcc cagagaagaa 60
gaaaaagaag aagaagaatg ngagagtggg tgcaaagtgc ncagaaccag agactcaata 120
ctcagtctta aacagnaatg attattttat agacgcttct cctncgaggg ccacgtcccc 180
ttctaacaat gtggatgagg tgcagatccc cgagatgtca ctgagcaaga gaaaaaaaaa 239

```

```

<210> 1689
<211> 133
<212> DNA
<213> Mus musculus

```

```

<400> 1689
actgaggggtg gacctgcatg atttcttcct ggggatgtca tggctgaaaa cacacgacag 60
aaaccagatt gagaaactcc taaacagagt gaaggaactg gaacaggagg tggaaagact 120
taagaaaaaa aaa                                     133

```

```

<210> 1690
<211> 495
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 77, 84, 97, 263, 266, 276, 296, 328, 362, 374, 398, 403,
405, 407, 418, 446, 475
<223> n = A,T,C or G

```


- REPLACEMENT COPY -

```
<400> 1690
ttattttattt ttggaaatca agttcaatat taaaaagaaa gagcacacat tattggaagc 60
catttctact aattcgntac attntaactt atgattngat ttgaatactg tcatgggagg 120
agctgtgagt gctggggaag ataatgatga cttaattgat aaccttaaag aagctcagaa 180
catccgaact gaaagagtag agcaagcctt cagagccatt gaccgcggag attactatct 240
ggaaggctac cgagacaatg ctnacnaaga cttaancctg gaagcacggg aacatncact 300
tggcaaccac cttgcattta ttctgaantt atgggaagct tttgaaactt caaccatgga 360
tnatcttttc ttanccctgg gaaggtggaa cccggatntt tangntncaa tgggtggngc 420
ttaattttta gggtaatttt attttnggaa attctctcct ttataaaagt gagcntaagt 480
tttcattggc ttctt 495
```

```
<210> 1691
<211> 427
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 378, 398
<223> n = A,T,C or G
```

```
<400> 1691
gactgaggca tttcacccac ccagctctct aagcacggaa accttggaca cgtgaacatc 60
agcgccatcc aggaacctct cgcctttatt ttgcctaaga gagaaacagt tttctgttta 120
gatgagcagg agctggggcc ggacatcgtg gccccagctc cagagctccc tgcggagcag 180
cggagcatgg agcctgtaac agagaagagg gaaccagggg agccgctgcc tcaggagccc 240
gtggaggggg agccgctgcc agccgagcca ccgagtgagg gaggagccat aggcagtgtc 300
ccctgcccgc agcctgggga gcagccctga gggtagcgcg ttctgcagcg ggaaggtgtg 360
tgcagttgct ttgcccanga tagcgcgggc cctgggggnat ttgcactttt ataaaaaccg 420
cacctgg 427
```

```
<210> 1692
<211> 352
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 20
<223> n = A,T,C or G
```

```
<400> 1692
agactgaggt ctcatactgn atgttgatga acaactgtcc aagtcagtga aagataaggt 60
attgctgcct tgccgttaca actctcctca tgaagatgag tctgaagacc gaatctactg 120
gcaaaaacat gacaaagtgg tgctgtctgt cattgctggg aaactaaaag tgtggcccga 180
gtataagaac cggactttat atgacaacac tacctactct cttatcatcc tgggcctggg 240
cctttcagac cggggcacat acagctgtgt cgttcaaaag aaggaaagag gaacgtatga 300
agttaaacac ttggctttag taaagttgtc catcaaaggt taaaaaaaaa aa 352
```

```
<210> 1693
<211> 316
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 23, 51, 66, 243
<223> n = A,T,C or G
```

```
<400> 1693
agagcatggg ttggacctat tanatacaac agagctgaac atggaggatt nctgatggga 60
```

- REPLACEMENT COPY -

```
ctttangcct ctcccccttct ccacttacca ctgcaagtcc ttgagtgagc agaaggaagg 120
agtaaaatga agcattcttt gggtcctagc caagtacttt aaaggaaaag agaaatggcc 180
ttatTTTTtca aatctctatt tctttctgaa gtgggtgcta tatatagatg ctatgagcct 240
tgncatcctt aatgcgccat cgctttatgc ttttgccctgt ttgcaagtga taggagttgg 300
gtagggaggg ctttac 316
```

<210> 1694
 <211> 414
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 150, 208, 391
 <223> n = A,T,C or G

```
<400> 1694
tttgccctgt tagcagccgt ttgggtttcga acttatctac actcaagcaa aactagctct 60
tttatcagac acgtagttgc tacccttttg ggcctttatc ttgcatTTTT ttgctttgga 120
tggtatgcct tacactttct tgtacaaagn gggatttcct actgcatcat gatcatagca 180
ggagtggaga gcatgcagca atctccanaa gtttctctga ctatgttctg cttctgactg 240
acccctgcgc tcagtctcat gtgtgcgagt ctgttcaggc atgtaccaa acaccgtctc 300
cgttccagat actccggtac atctgagaca tctgaggtct gggccgagcc cagccaagca 360
gaggatatgg gcaccaagag gaacatccga naaacagatt accaccttgc gaca 414
```

<210> 1695
 <211> 236
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 23, 25, 44, 51, 53, 60, 68, 71, 77, 85, 101, 107, 108,
 132, 150, 153, 170, 182, 184, 200
 <223> n = A,T,C or G

```
<400> 1695
gaacacgtcc gtgtcataca ncngncacct tgttgaaggc accnccgctg ntnagcgtgn 60
aggcaagnag nagcacnttg acagncaaca gcaccgacag naggcgnncg ccctTTTTtcc 120
acacctcacg gnggctggcc cgaggcccn gcnggctctc attgggatgn gggaccagtt 180
cntncgacat ggtgggggcn gactggagga ggttgaaggg atcacttgcg aggtcc 236
```

<210> 1696
 <211> 110
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 70
 <223> n = A,T,C or G

```
<400> 1696
gaagtctcga tcactagacg ggagatgctg ccaagtgcc cagacgggat caagactcca 60
atgacaacn taagattccc taaagctaag aactgctga aaaaaaaaaa 110
```

<210> 1697
 <211> 203
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 57, 62, 141, 151, 162
 <223> n = A,T,C or G

<400> 1697
 accaaaacac tgaagaatat tgtcaaagtt ccagaaaaca tggaaggcat gaaagangtc 60
 gnactggaga aaaaccctct gaaaatacta aatgtggtaa agcctttgca tgtcacagtc 120
 atccccaaaa gtatgaaaga nttcatactg nagagaaacc cnatgatggt attcaagtat 180
 ggtgaagcct ttgtacatca ctg 203

<210> 1698
 <211> 360
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 23, 52, 101, 115, 121, 140, 171, 177, 179, 269, 301, 344
 <223> n = A,T,C or G

<400> 1698
 ccagtagaag acattttcttt tnntggagac aaagggatat ctcccacagt gnggtttcac 60
 cggctgctgt tctcccgac atcctgtccc caagcgcata nagaagccgt actanggaga 120
 ncgacaggca ttgtgcccgn actggggaga cagcatacaa ttgaatcgat naagatnang 180
 attcaagggc ttcattgaggc ttgtcggctg gcgagacacg tcctcctcct ggctgggaag 240
 agtttaaagg tggacatgac cactgagana gatagatgcg cttgttcata gggaaatcat 300
 naggcattgac gcatattcct ccactctggg ctatggacac tttncaaaat ctgttttgac 360

<210> 1699
 <211> 150
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23
 <223> n = A,T,C or G

<400> 1699
 ggattcctgt gtgactgcac ggntgcaatc ggcgatgtgt acttcaaggc acacaaatca 60
 gttctcgctt cattctccaa ttactttaag atgttggttg tccatcagac caggtaacta 120
 aagtgcctga taataaccta aaaaaaaaaa 150

<210> 1700
 <211> 262
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 28, 43, 238, 244
 <223> n = A,T,C or G

<400> 1700
 gttgaacccc ttgaaaccct ctngtganag tctctatcac tanacgggag atgctgccaa 60
 gtgccccaga cgggatcaag actccaatga caaccataag attccctaaa gctaagacac 120
 tgcagatctt gactctgctg atttctatag gtgtgggtcca aactagtcct atgccccatg 180
 aaccccataa ccttacttgg gttataacta aactgctac ggggactgta attaactnga 240
 cctnccacct ttgcccccat tg 262

- REPLACEMENT COPY -

```

<210> 1701
<211> 106
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 58, 64
<223> n = A,T,C or G

<400> 1701
agtctcgatc actagacggg agatgctgcc aagtgcccc aacgggatca agactccnat 60
gacnaccata agattcccta aagctaagac actgcaaaaa aaaaaa 106

<210> 1702
<211> 243
<212> DNA
<213> Mus musculus

<400> 1702
ttttagtggg ttcgcttcct ggcactgcac tggcttccat aaggacattt tcctacaagg 60
acagatgatg ctttgagcac aggactctac cccactctcc ctgtctcctt tctcactccc 120
ttctctttgt tccctttgtt tctctaccaa gtgagttggc ctgaggggtca ctgggtgctcc 180
agcgcagcta tgtgtgtgac ccaacacaag ataataaact tatttaaaac ttaaaaaaaaa 240
aaa 243

<210> 1703
<211> 139
<212> DNA
<213> Mus musculus

<400> 1703
gactgagggg ttttctgtgt tacctggcta tcctgtaact aggctctgca gaccatgttg 60
gcctcaaact caagaaattc acctaccttc tgccttccaa gtgctaggat taaagggtgtg 120
tattaccaca aaaaaaaaaa 139

<210> 1704
<211> 104
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 27, 34, 44, 55, 65, 73, 75
<223> n = A,T,C or G

<400> 1704
gaggtatgca ccgaactgcn atcttcncga gttncacta aaanactgac ctatntactt 60
taaanaaact ttncntgggt agggatgggc ctcccctttt tttt 104

<210> 1705
<211> 282
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 33, 39, 45, 60, 95, 109, 126, 162, 203, 214, 235
<223> n = A,T,C or G

<400> 1705

```

- REPLACEMENT COPY -

```

actgaggtac tgaggccatg ttcccngagt ggnttcctnc tttgnetctt cttatggcan 60
caccaccttc aagtactttc aggacctccg caacncaggc ttggagaana gctatgcgct 120
cctcantggg ggttgctttc ccaccatctt ctcccctaac tnccccctgg tctgactgat 180
acactccaga actgggggatc ganggctgca ccancccacc tacagtcgat ccaancagga 240
caacgggcgc accactgagc tcactaactt ttacaagaca tg 282

```

<210> 1706
 <211> 315
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 41, 49, 51, 53, 65, 66, 67, 71, 79, 83, 87, 96, 100,
 109, 110, 117, 123
 <223> n = A,T,C or G

```

<400> 1706
gcctcatccg gggctgtttt gttgcgtccg aaganctgca nggactgcng ngnacccttg 60
gacannntag ntccgaacnc aancacnagc tccacnccgn gcagcgccnn gaccggnaaa 120
ggnatctatc acctttttaa ggagcacatt aaatgtcctc tctgattgaa gcctgccaag 180
agggctcagt atgtaaaggc cttgtacta agcctgagga cccaagttca atctccagga 240
cccaaataga ggaaaaggac tcctgaaagt tgccttgga ccccccacaca tgtactgtga 300
tgggcccccg tgtac 315

```

<210> 1707
 <211> 259
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 159, 232
 <223> n = A,T,C or G

```

<400> 1707
gacctgaggg ggggtctttc atgaagtgtt tgctagtgga tcaagctgct gctgcctgct 60
gacctgaact gaactgcaa tttccagaca acacagatgg gagttgctcc aaagaacttt 120
tctaaaaagg tctttgccac tcaactttgc tcagcttgna tgttaactcc aggagtgcac 180
ctgaagacct aaaagcattt tacatgcaga tattatctcc aaacaataaa gngtgacttt 240
tcttttccaa aaaaaaaaaa 259

```

<210> 1708
 <211> 140
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 32, 33, 36, 39, 42, 44, 56, 65, 100
 <223> n = A,T,C or G

```

<400> 1708
actgtgggat ataacgantic ctatgtgagc cnngangng angntaagaa tgtcanctct 60
ttcanaggaa ggattgaccg caaagaactg agcgattgan aaagaatgcg gcatcacagc 120
tggaatccg aaagataaaa 140

```

<210> 1709
 <211> 207
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 24, 26, 35, 42, 50
 <223> n = A,T,C or G

<400> 1709
 gcggaagacc tcgcctcctc cgantntaca tcatnaaagg tnattgacgn gctttcccta 60
 gtggtgaaca ccatacagct ctttgggccc ccagtttcct gttaagcctg gctggggacc 120
 catgtctgac cttatctccg tctcctccta agcaatacaa ttttccctag ggaaaagatt 180
 ctagaaatag taactactac ataaatg 207

<210> 1710
 <211> 105
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27
 <223> n = A,T,C or G

<400> 1710
 tttaaattccc agctgaagtg actttgngct ccaggtagca gcctgggagc taggccataa 60
 ttacttcttg tggaaactctc aaagggtcggc cggggaaaaa aaaaa 105

<210> 1711
 <211> 312
 <212> DNA
 <213> Mus musculus

<400> 1711
 aactgagatc tgggagagcg tctggaagaa caaaggcaac agaaaggaag aatgactgca 60
 gatgcgctca tggctggggc ttcatatccc agaagccata tactgataag tggaaaaccc 120
 agtgccaggg tgggctacct ctatacatct ctggacgcgg agtcttctga ggcctccaaa 180
 accataaaaag ctgatgtcat gtactaaata gttttttgtc aacacaagct aaagtcattt 240
 gagaggaaaag aacctcagat aacatttctc catgcactga gctgtacagc agcttggttg 300
 gaattttcta tt 312

<210> 1712
 <211> 207
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 24, 25, 27, 55, 57, 65, 86, 96, 102, 115, 140, 148, 165,
 174, 180
 <223> n = A,T,C or G

<400> 1712
 gacacacaga atcacgcctg gngnnanccg ggccttgatg gaaaccttgc aactntncat 60
 ttaanaataa agggagaagg gctgangaga tggctnaacg gntaaaaaca ctgantgctt 120
 ttccaagagt cctgaattcn attcccanca accacatagt ggctnacaac catntgtaan 180
 gggatctcat gccctctttt ggtgtgt 207

<210> 1713
 <211> 418
 <212> DNA
 <213> Mus musculus

<220>

- REPLACEMENT COPY -

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<221> misc_feature
<222> 71, 115, 126, 136, 147, 150, 160, 161, 163, 172, 174, 178,
186, 188, 193, 196, 198, 199, 203, 204, 205, 210, 212, 223,
227, 233, 236, 249, 255, 262, 270, 299, 318, 320, 324, 338,
357, 388
<223> n = A,T,C or G

<400> 1713
gaactgaggt gtataggtgt gaaccaagtg cacgtctagt tcccttggag gccagaaaga 60
aggcgggtgtc ngatccccag gaaccatagt tacagatggt tgatgtggaa actcnaacag 120
gatgcnactg tttttnacta ttttganggn ccagccaccn nanccttaag gncngggnat 180
tttttnanac tgncantnnt gannncggan cnctccacaa tanaatntct tgnttntctt 240
gtggcccccna ggatnacacc gntaggatan gacactggcc ttgctttacc ttcagagtnt 300
ggccttgcat aatggacnan attnattcct tcagttgntc tctgacctcc acatgcngtc 360
ctgtgcatgg gtgtatgcat tcacatantc acacatcccc cgttgttaaa taaataaa 418

<210> 1714
<211> 118
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28, 32, 45, 80, 98
<223> n = A,T,C or G

<400> 1714
tgggcggtgg tcttggccaa cgacatgntc anacctgcac gagcnctcga aagctgaact 60
ggcagccctt cagctcattn tgtagccaa cttggccntg acgggggagg caagcggg 118

<210> 1715
<211> 379
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 72, 95, 99, 102, 103, 106, 107, 110, 118, 124, 125, 128,
136, 142, 147, 153, 157, 164, 172, 185, 189, 210, 211, 212,
235, 238, 259, 266, 291, 307, 311, 314, 359
<223> n = A,T,C or G

<400> 1715
actgaggctc cagctccaga ggtcagtgaa ggaggaagac acgggagcaa gactaccctg 60
aagggtcac cnggggacta aaccctggaa acaangganc tnnccnnacn ttcgtaanag 120
actnnggnta taattntatg gncctanctg tancttnggg ctanagaggt gnccaacagg 180
ccatngagnc ccatctgctg aaactccttn nnaacatgag ggagtgagga gactnggnaa 240
acgccctctg ccctccctna ctctnnggtc cttaatgata gttttgttta natataaatt 300
tttatanttt ngntngggta tacattttta tctcaagggc aatatttgct ggggtttanc 360
gagttttaat aaatattcc 379

<210> 1716
<211> 299
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 52, 94, 115, 125, 157, 174
<223> n = A,T,C or G

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- REPLACEMENT COPY -

<400> 1716
gaagaagacc taggagaggg tgagaagtcc accctgaagc acgcatcaac tngttcgttc 60
taaggagggga atgcttttctt cgccaagaca tcangaaaag actgggggcac ccaanagacc 120
agctngactg tccgcatggg attaaggatt gtgggganggg aggcgtggaa gcgnacttct 180
ggctagacaa aggggtggagc tgggagtgtc cggagacaga atcatccaca gttgtaaagg 240
ttttattagt tatctttgcc ttctgatgca atgaacgcac gtaagccatt ccatecttt 299

<210> 1717
<211> 409
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26
<223> n = A,T,C or G

<400> 1717
aaggacttgg aaagatcaaa acctgntgtc cagcatttgg gaacacttgg gactctggaa 60
aggtggccac tgaaaagcac cacaggctctt aatggctccc cggaatcttc ttagcactga 120
gaagctcaag ctatggacac tcctttcaga caggcttgcg actgtgatgt catggatctt 180
ctgcctccag atcctgatct cagttttgag tgcagtgtat gcttttgcac atgactttag 240
ggcagatagg gatgcaagggt ggagtttttg tcttttgagg attcaggctt tacctctaga 300
tattagtgtg gttaagattt gaaaatctat agtaagacaa tattactttg gggaaaccat 360
cacatggaaa taaaggctcc cattctcgtg gtatgtgtaa aaaaaaaaaa 409

<210> 1718
<211> 305
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 75, 82, 83, 90, 94, 99, 108, 111, 117, 120, 121, 132, 143,
144, 148, 160, 163, 171, 173, 181, 185, 190, 192, 197, 201,
205, 231, 261
<223> n = A,T,C or G

<400> 1718
ccatgaagag cagctggaag aggggtgatta ctatcaagtg gcatattatt attacacagt 60
gaccctaat tatgntgact tnnggggaaan ctnnactgnt gattactncg ngtttgnggn 120
ncaggatagg tngaacaggt tgnntatnga ggtaacaacn acngaagcgg ntnagactac 180
ngccngtttn tncagtnttg ntacngaact tatggaccct caaaatcctg naaccacgaa 240
accagggacc acagaaccag ngaccacaga accagtgacc acagaaccag tgagtcaa 300
gggga 305

<210> 1719
<211> 240
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 77, 156, 170, 173, 185, 186
<223> n = A,T,C or G

<400> 1719
ctgcctgggg aagtaagact tcaacgaaaa cctgatgcga cctctcctga ttgctccggg 60
ccgattcatt tcccagntgg ggtgtagacg aaagcctcct gcctccccac aaagcaagat 120
ctgcctcacc atggctcgtc caagttcaaa tatggnagac tttcggaagn gtnttgcgaa 180
cgccnngcac atagccatca tctcgggggc tggctgttag tgcggagagg gggggggaca 240

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<210> 1720
 <211> 293
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 26, 29, 55, 59, 60, 64, 66, 69, 98, 147, 151, 170, 174,
 178, 181, 199, 202, 213, 227, 233, 263
 <223> n = A,T,C or G

<400> 1720
 ttacctttgc tctgtgtgtg ancaanggnc cggctcggca tggcaaggca cggcncagnn 60
 aggnanggna cagcacggcc atggcacaag gggcagtnaa ctcttgagc ccctacttaa 120
 agggcaagct tctgaggact ccggaantca nttgagagt gggccagatn agangacnta 180
 ngtggataaa ggcaatttnc tngccaaacc cgnatgactt tgagggntgg atnccccctg 240
 gggacctaca tgggtgggagg aanagaaact gactccccac aagctagtcc ttt 293

<210> 1721
 <211> 264
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23
 <223> n = A,T,C or G

<400> 1721
 aacccccggtg gtttcaaaaag ccnggctggc ttcgggtctct ttgggtgggtc tcgcttgccg 60
 ggggtcttttg gcaaccttgg ggaaaaaagc ccacccgata ttgcctactg aggggtctagg 120
 aaatgctcag caaattccac caccgcaacc acactaccta acctgctgca tccgacccat 180
 ggccatattt tcattgcttt aaagaagctt ttattcttgg atttggtacg cgattaaaaa 240
 tattttctaata gctaaaaaaa aaaa 264

<210> 1722
 <211> 472
 <212> DNA
 <213> Mus musculus

<400> 1722
 ctgaggcttg cttccgaaca ccatcttctt ccctcggag acccaatgga gaagggctgc 60
 agatccagga ggctgcacaa gctgcagtta gcctaagcgc caccaggggc gcgcctgcct 120
 atcgtgatcc ggcctccgg acagcactgc ttcaggctcc agtgggtccag ggaaaactgt 180
 acgcgggtgg gacagaagct atccggacct gcaggaaaca agagcaggga cccacgtgta 240
 cagaggctgc agctgtaaata gcgacgtctt ctgcggcgcc tggatatccat aggagtcaaa 300
 gccaccgatg aagtcaactg aggaagagaa ggggaatact ttgctcacat aacaggcaaa 360
 cacgaagccg aacagctaag agagcggata acaatcagag agagagaagt tgtccctgtc 420
 ccctctaccc acccaactca atgcctgtcc aaagcaaaca tttaacacct tc 472

<210> 1723
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 65, 76, 81
 <223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 1723
tggggagcgt ggattcttct acacacccat gtcccgccgc gaagtggagg acccacaagc 60
ctacnacaca gcagtnaccc naggatgagc aggaaaaact ttt 103

<210> 1724
<211> 131
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 41, 66, 68, 70, 71, 73, 76, 77, 98
<223> n = A,T,C or G

<400> 1724
cctgtggagc cacacactgn gcacctttct actggaccag nagattattc ccccggaat 60
ctgggntncn ntncnnttg cttcataact gagtgtcngc aacatgtaaa attggagctt 120
tgatcagcaa a 131

<210> 1725
<211> 188
<212> DNA
<213> Mus musculus

<400> 1725
ctgttcaccc cgcttcaagg aagacaacaa aaggatggag gaaaacacag atgcagttga 60
cgagctgggg aggtacaact agctgcttgt acattccttt agttaaaaca agctggggtg 120
gggtgttatg ggatggctac agtagctgag tcctattaaa ccgataagaa gaaacccaaa 180
aaaaaaaa 188

<210> 1726
<211> 116
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 100
<223> n = A,T,C or G

<400> 1726
gaactgagga aattccttca caaggaggag natgaagaag aaatctgtat ataatcagaa 60
tgtgggtgat caggagtgtg acgacatgga aggtgatgan aacagccata ctgccg 116

<210> 1727
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 19, 21, 42, 43, 46, 52, 60, 71, 73, 82, 83, 85, 102,
103, 112, 113, 117, 118, 130, 142, 146, 161, 164, 174, 182,
193, 201, 210, 213, 220, 227, 250, 278, 296, 307
<223> n = A,T,C or G

<400> 1727
aactgaggg ctacagnct ngtttcgcgg tcgcggcctg cnntgngagg angtagctgn 60
gccgccaggg ntngcgggat tnnngnatggt gacggaggac annggagagg gnntganngg 120
gaaactgaan ttctcccaga cncgtntgac aagacaccga ngcncaggag ccgntggagc 180
gntactttca ccnccttatc ngggccaccn gcnatttcan ccatttnacc ttgtgggggtc 240

- REPLACEMENT COPY -

tggaacggn cccgggtcca aatgccc aaa gtgcatangg ccctaagttg gcccancctc 300
tcaacancga ttcacgccc ggtccctgag gactgagaac cagatcatga gaatgacagt 360
cacagatccc ttctcaccac ttggagcgac tgtttctatt cccaataaat ga 412

<210> 1728
<211> 384
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 50, 139, 141, 158
<223> n = A,T,C or G

<400> 1728
agatcttctc acagaaaatg tgccgtactg ngatgcgcca acccatgaan caggtaaagc 60
ttccaggata aacccatctc tgctccttcc cactttaaat acataacctg caacgggtcct 120
ggacatgcac atgtttctnt ntgaagcgca cgttgcanat gagcgacagg ctgagggcta 180
cagaggagat agacatgcct ttcactgaca tgggcaactg aaggcctggg gaggcaggac 240
gctcctctct ttcccttttg taggtctttt ggtcttccaa agctgtttgc caatgaagca 300
ccttaccaaa ttggtgactt ttcactctcat gggacataca tagctaaata taaaatgcta 360
cattaaattg atgtttaatc ccca 384

<210> 1729
<211> 414
<212> DNA
<213> Mus musculus

<400> 1729
ctgagtatat gtagcctgag caactctcag gagaaagcga cggaaggagg agcctcgacg 60
agcctgggga caagagggtc acaaatttca tgactgccgt agaaccagct gctcatatta 120
aaaccatgaa tttccccaga accaagggtg aaagccaagc ccaacaaggg cgggtacttag 180
caaaatccat aggtcaccat aggtgggtcc ctgtagacaa gtggctgtca cctgcccatt 240
tagcaaggct aaagagggga agggaaaact gctggagact ctggacaaaa agtagtacag 300
gaagagatta tcagcataaa caggcattaa ataggaaacc gtcactctct gactttttat 360
ggacacaccc ttcttggtta ggaaacagaa gaggatgaga gtcactctgt atca 414

<210> 1730
<211> 247
<212> DNA
<213> Mus musculus

<400> 1730
aagatctggg acatgagtga cgaggagact gtctgaagca agcaaccaca gctcaggagt 60
acctggccct cagcgcagga ctggaccgca ggactgggtga tctgggccct gccacctccc 120
tggtcctgat ctccacatct ccaaggacga ggggtgtacc tctgccaccc agttgcaccc 180
tttcctgtgc catctcacca gctctgaact caataataac cttggcattg ccactgaaaa 240
aaaaaaa 247

<210> 1731
<211> 198
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 67
<223> n = A,T,C or G

<400> 1731
aggaactcga agaagccatg atcgggagag ctgcgagcgc tgtataggac tcagcttcat 60

- REPLACEMENT COPY -

ccagcancaa cgcgcattga aactcgagcg ggctaaggcg ctacggaaag tccgtagagt 120
caaaaagatt ttgaacgcga atctctcctc ccacctacac atcttcaaga agtgagttac 180
tgggatactg cgcgcctcc 198

<210> 1732
<211> 109
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 26
<223> n = A,T,C or G

<400> 1732
aagactttgc gttactnccc gtgatnccag gacgaacacg ttgaatggac ctttttaaaa 60
agaaagcggg agggaaaacta aggatgatcg tcttgcccag gtgtcgtga 109

<210> 1733
<211> 228
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 31, 35, 38, 41, 48, 53, 69, 81, 102, 104, 112, 121, 133, 146
<223> n = A,T,C or G

<400> 1733
atttttgggc cggagatgcc cattgngcgt nttgnaanct ngatgangt cantaaatgt 60
atcaaccanc gctagaagcc nctggcactc tatgcgtact cnancaatga cnaggcgatc 120
nagaggatga tcncagagac atcaancggt ggatgtgaca ccaatggacg gcattgtcac 180
atcactgtgc ccacttttgc ctttgggggt gtgggggaaca gcggcatg 228

<210> 1734
<211> 369
<212> DNA
<213> Mus musculus

<400> 1734
gtgattccct ggactctgtg agctggcagt gcttggagct acacagcttg tgccatggac 60
tctgaggtca gcaacgggtc cggcctgggg gccaaagcaca tcacagacct gctgggtgttc 120
ggctttctcc aaagctctgg ctgtactcgc caagagctgg aggtgctggg tcgggaactg 180
cctgtgcaag cttactggga ggcagacctc gaagacgagc tgcagacaga cggcagccag 240
gccagccgct ctttcaacca aggaagaata gagccagtcc tttcctgcaa ctatcaagtc 300
attcagaaaa gaggagtcaa gagaggggat gaggtacatt tgaaataaaa aactataatg 360
aaaaaaaaa 369

<210> 1735
<211> 403
<212> DNA
<213> Mus musculus

<400> 1735
gtctgagagc accagggcct cagtccctgt aaaatggggt gccattccag caagggcacc 60
gaggtggttag aggagtcccc gaaacctgga gatcacgccg atggaggaga gccgaagggt 120
gagtctggca ccgaggctgc ggatgacaag gatgcctcaa cgaaggacgg aacccttgag 180
ctgaagaact gaccctcttt cttgggtgga ccctcaactt gtccctggaa ctgcctttga 240
cctgtgaggc cccaccctga agagctatcc atggaggaca gaaagagccc tggtaggat 300
gtgaccttca cggggccttg tctctggctt tgggggagat gaagggttaa gcttgaagt 360

- REPLACEMENT COPY -

403

ctcagtaaag aggacaaagg actgcttcat tcctcttggg gcc

<210> 1736
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 36, 55, 63, 75, 86, 98, 121, 123, 134, 172, 175, 176, 178,
180, 182, 184, 206, 225, 244, 247, 257, 261, 265, 268, 269,
285
<223> n = A,T,C or G

<400> 1736
acttggttagc atctttcaca gctggaagca tacttnaagg tggaaccata cccanacctc 60
cangatcgaa agatnatggc caccanactg aaactganag aggaacaagt tgaggcttgg 120
ntnatccaga gatncttggg ggaggagatg cggacccccct tggccaggct gnagnngncn 180
gncntggatg gtacctcttc tccttnccac aaagccctgt gctgnaggcc accaagctgg 240
aagnacnggc tcattcncat naatnccnnt gagtccttga ccagntgctt aaaggatagc 300
aaaactgtat ta 312

<210> 1737
<211> 512
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 404, 405, 408, 412, 413, 414, 415, 419, 424, 425, 429, 434,
443, 451, 462, 472, 478, 479, 493
<223> n = A,T,C or G

<400> 1737
gggcccctct gtctgtctgc aaggaagaga tgggggggccc agaagacagg accttcccac 60
gggagcagaa cgacttcaat aatgctgtcc tcaaaacagg tcctgttcac cggaagtcca 120
tctgccagcc atagggaaga caaaagctaa ctgggagccc tgatgtccta tagtcaccca 180
gactggaggg aagatgacag cagggctccc atacagagag gaggtgaaaa actcaaacct 240
ttggacagca gcctgacctg agtccaatca agttgtgagg gacagaggag gaggcctcag 300
agtaacaggg ggctccatgt tctttatagc aatcttagac gaagctggga ttcaaattccc 360
cagagtagag ggaggaaatg tgtcaggggt aggggggtggt gagnngangc tnnnnggana 420
aacnnctanc tgantgaaac ctncctttgcc nattcatatt tntcctgctg gntcccanng 480
acttgccctg gantatcacc tgtctcactg aa 512

<210> 1738
<211> 246
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 52, 54, 64, 81
<223> n = A,T,C or G

<400> 1738
atgaaagcag gcgtgtagtt gccggcatgc gtgcacatga tgacgtaatc angntctgta 60
tcanaagctc accagatgct ncagcgcaca cgacagccac ggtcccaaca cccagcactg 120
ccacttgctc ctctccagtt ctgtcgggat gccacacgca ctgcccggcc ttttaagatc 180
tgaccggtag cgcggcgcgt cagcctcggg gcggggccgca ttctttgcgt ccagccccct 240
ttcacg 246

- REPLACEMENT COPY -

<210> 1739
 <211> 420
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 395, 397, 401
 <223> n = A,T,C or G

<400> 1739
 gtctctgatg ggcctagagt ttggagcgag aactgggaag cagagctcta gaagcatgga 60
 gaccataagt gaccatgggc actgtctctt caccatgt ctgcactttt tatgtacctg 120
 gcttcaaata ctttagtttc tacttctggt tgacctactg agaggagggc ataggaaatg 180
 aaggactgtg tgtgccctca agatggcggg gctcctgact tggagaagag gaagaggtct 240
 atgctgcacg cattgggttta tacaagaagt atttgggtgc agtactccta cagaacagca 300
 ctccatgccc tgtgacagtg tgcttgtgtg agctttccag tgacattcat ggtcagccat 360
 agtaaacagc ctagaaaatg agaataataa aagangngat naaaatcttc cattaggggt 420

<210> 1740
 <211> 356
 <212> DNA
 <213> Mus musculus

<400> 1740
 ctttgggtag gtctgcggac ttgcttgggc tggacccaac gcagctcaca gatgcactga 60
 cccagagatc catgatcctc agggggagaag agatcctgac gcctctcagt gtccagcagg 120
 ccgtagatag cagagactca ttggccatgg cactttatgc tcgctgcttt gagggggtga 180
 tcaagaagat caacagccgg atcaaaggca aagacgactt caaatccatc ggcatccttg 240
 acatcttcgg atttgaaaac ttcgagggtta accactttga gcagttcaat atcaactatg 300
 caaatgaaaa gcttcaggaa tacttcaaca aacacatttt ttcctaaaaa aaaaaa 356

<210> 1741
 <211> 404
 <212> DNA
 <213> Mus musculus

<400> 1741
 gactgagggt tccttacaaa tttgaagtac aacagatggt agaagaacct cagtgggaat 60
 tagtgtttga aaagacaaga tggataatcg aaaaatacag gcttttctaat agcagcgtcc 120
 ccatggatag aatcttttcgc cgggattccg acctaacctt tctgcagaaa cttttggagt 180
 gtctaaggaa aacactgagc aaagtagcca attgcttcat cgctgaggag ttcttgactc 240
 aaatagaaaa tctgttcctt tccaattaca aaagcaagga agagaatgga ctggcagaag 300
 aggatagtac aaaggaattg ttcagttaat tatttttaaag taagatgttc taatcttggc 360
 atgctactgt aaataattga gatttttaaag caatataaaa aaaa 404

<210> 1742
 <211> 184
 <212> DNA
 <213> Mus musculus

<400> 1742
 ggccagttcc tgatcccagc agcatggcgt cttgggctga gccctctgag cctgctgccc 60
 tgcgacttcc tggggcccca ctgctggagg gctttgaggt gctcgatggg gttgatgatg 120
 cagaggagga agatgaccta agtgggctgc caccactaga ggacatggga cagcctacag 180
 tgga 184

<210> 1743
 <211> 107
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 32, 34

<223> n = A,T,C or G

<400> 1743

tgtctggatc actatacggg agatgctgcc angngcccca gacgggatca agactccaat 60
gacaaccata agattcccta aagctaagac actgccaaaa aaaaaaa 107

<210> 1744

<211> 192

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 30, 147, 160

<223> n = A,T,C or G

<400> 1744

tttccagggc ttttttgntc caccggagan agcaccacag gttgcccctg gagcactgtg 60
acccccagaa caactgagca cttgacctcc ttatctctag tgtccgtcct gaacgaaatc 120
tacgtgagat gccaggactt ggaaggnggg acttgatctn tgaagactct tgggacttga 180
tctcttgagg ac 192

<210> 1745

<211> 131

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 27

<223> n = A,T,C or G

<400> 1745

acaggatcag aggcactacc antgcanagc accttcactg catgtctatg ggagtggcaa 60
gggttttctt cttacacagc ctttaagggtg acattataca aataaattcc ttacactgt 120
tacacttcaa a 131

<210> 1746

<211> 258

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 51, 92, 101, 104, 114, 115, 124, 127, 142, 181, 190,
195, 202, 216, 218, 242

<223> n = A,T,C or G

<400> 1746

tcctcgggtga cagatncgac gacgcaccgc gtctcccacc ccgcgcccgc ncgatgcca 60
agaggaaggt tagcgcggtat ggagcggcca angcggagcc naancgccga tccnngaggc 120
tgtnggncaa gcccgcccct gncaagggtg acgcgaagcc aaaaaaggcc tttggaaagg 180
nttaagcatn atacnaaaaa gngccttttt atttgnanta ggggtagctg aagggctaaa 240
cnggcttgac gttggttt 258

<210> 1747

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<211> 383
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 101, 106, 110, 112, 122, 126, 129, 130, 136, 137, 144, 149,
168, 185, 194, 205, 207, 212, 232, 237, 266, 269, 284, 288,
293, 296, 309, 313, 343
<223> n = A,T,C or G

<400> 1747
ctgggtggtg gccaggaagg aggaaattat cttcttcttc tgaggaggat gacgttaatg 60
atgatcaagt ctgtaaaaca gccgcgaggg gaccgtgtaa ntgacnttgn anttggtgca 120
tnaganttnn actatnntgg gtgnggggnt agcttaccct agccctance ctaccctaac 180
cctanccagt atgntgaatg tgggntncaa angttaagaa cactgggttc tntttcnaaa 240
gacttaggtt catttccaac catggntgnt cacaacacct agtnactnta ctnccnaagg 300
atctaagtnc ttntggcttc agtaggcact gcaactgtat gcntgtggta catccatgca 360
ggttaaaaac tcactataaa cct 383

<210> 1748
<211> 476
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 87, 120, 130, 138, 191
<223> n = A,T,C or G

<400> 1748
ttcttctaca caccctgtcc cgccgcgagt ggaggaccca caagattctc tctgatcaat 60
acctgacaca ggatgtgctg gaaaagnccg atcatctgat ggctgcagcc aaaggtctgn 120
ttgctgatgn tcctcgtnag cgcacagggt ttccaaatgt aacaagggtt ccagattcct 180
cacagagcca nactggaata aatcaagacc ctgtcaccca gtctatcctt aatgaatcaa 240
tcatagagcc tcaggctctt aatgaagtcg acgatgcagg ggagcagagc actgctcaca 300
gccagtcaga agacagcgag aatgaattgc ctaactccct cagccagcat tctaacagga 360
gtacagagag gtttcttcac caactaaagg aagagaattc cgagttaatc aatcaactgt 420
ggaccgatat tcagcagaaa atcgctaccc agtcacaaag aactcctcca ggatct 476

<210> 1749
<211> 225
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 65, 67, 84, 86, 88, 100, 113, 114, 120, 148, 169, 171,
175, 193, 194
<223> n = A,T,C or G

<400> 1749
tggggagcgt ggattctttc tncacaccct gtcccgcgcg gaagtggagg acccccaaga 60
aagangnaga agaagaagat agangncnac ggagatggan acgatgacga atnntgaagn 120
agtggaaatct cagtcaggac tcctccentg ggctcctctc tatttctgng nttcncccc 180
ctcatccctt ctnggttggt ccttctgacg tgtcagtatc ctctc 225

<210> 1750
<211> 375
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 65, 82, 101, 106, 108, 109, 113, 120, 122, 125, 135, 141,
142, 157, 161, 169, 170, 172, 174, 181, 191, 204, 208, 219,
228, 239, 240, 244, 256, 257
<223> n = A,T,C or G

<400> 1750
gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaagtgcc 60
ccctnggggc ctaggaggcg gngaggagat caaggaaagg ntgaanant ggntgtgccn 120
cngangattt cacangacag nntgttcttg cgggatncac nctaatgann tnancctttg 180
natgcctgtg nacaaaatga taantaancc caccgatcng cttcctgntg cattctggnn 240
ggtnttggct tagccnntca gggtcaccgt gttatccaga aatggcagcc actggctacg 300
cgtgacgggt caaatgtaca tgtaagtacc aatgaatgaa ataaagacga cgttcctggt 360
tcacccgggc cacat 375

<210> 1751
<211> 134
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 29, 30, 68, 70, 73, 77, 91, 97, 104
<223> n = A,T,C or G

<400> 1751
aactgaggtg gggctctttca ngagcccann agcccggcga ggatcgcgct tggtcgcctt 60
tcaccccngn agnggangcc atgggtgcaag nagggtncca gaanagatca tacactcact 120
gcttgccctgg acaa 134

<210> 1752
<211> 314
<212> DNA
<213> Mus musculus

<400> 1752
aactgagttc gtcggctgac tggatcatcc tgaacatgga gactctagat ccatttatgt 60
cataccagcc ccttccattt atgcacgaga ggcctgatcc tgccccttct ctatcttgtc 120
ccttctctat catcgcttg agatggagcc tgaatgattt tatttacttt gtggtgtcca 180
atctctacct cccctaccg actggagact ctttgaaagg gctttattgt acatattgct 240
tatttataac ctagtcttttc tcactctccc agagacatct ataaagggtc ttattttgct 300
caaccaaaaa aaaa 314

<210> 1753
<211> 480
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 29, 63, 64, 67, 81, 89, 149, 172, 448
<223> n = A,T,C or G

<400> 1753
aagggagagg accctaccgn atctacaanc cagggggcag cacgcctctg ggagaggtgt 60
ccnatnttt tgaacgtcta nccggaggng aatactcagg ctgaaggagac ccaactcatg 120
tgcattgtgc gtttttgctt caagctcant agcaggacct gccccgagcc cncctgctct 180
tgcccctctg tgaggagtta cggagagggc tttgtctcta gagcagaaga gaatgatggg 240
acggcctgat gctgtcatgc tctccactgc acctgtggca gcctcctgag agccaccaag 300
atctgggatg aaggccacac cagccatgtc tgctgaaggg ccccgactg agatgactcc 360

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- REPLACEMENT COPY -

```
ggcctccaca gttagatggt tatgggtgcca gaggtctata ttaaaggtag ctgtctgttg 420
ctaggcagcc cgtttgcaca aatcttgnac ataaatccaa cttgaagatc aaaaaaaaaa 480
```

```
<210> 1754
<211> 122
<212> DNA
<213> Mus musculus
```

```
<400> 1754
tgaggtctgg gcccgaaagct tctgcctggt ccttggcttc tatgtgggtc caaaagatgt 60
gtgtcctcca tattcaaggc tgcagacctc cagattcaga tgaccaaga acaagaaaaa 120
aa 122
```

```
<210> 1755
<211> 277
<212> DNA
<213> Mus musculus
```

```
<400> 1755
gactgagctg gaagtgaaac gggctccgag cagggcaggg agccctcaga cagagccagc 60
gaggaaaatg aagctcccaa tcttcatagc agatgcgttc actgcgacag ctttccgggg 120
caatcctgcc gcagtctgcc tcttggagcg cacattggat gaagatgctc atcaggacat 180
tgcaaggga atgaacctct ctgaaaccgc ttttgtccgc aaactgcaac caactgatga 240
cttcacacaa agtaaattat acatttaaaa aaaaaaa 277
```

```
<210> 1756
<211> 107
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 28, 38, 41, 43, 51, 52, 54, 73, 76
<223> n = A,T,C or G
```

```
<400> 1756
aacgcctgtg ggccccttgt tctgacanat caaatcgngg ngnggggctg nngnacaaat 60
ctacccatct ctnttnataa attgactatg ccaataaatt aacatgg 107
```

```
<210> 1757
<211> 290
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 271
<223> n = A,T,C or G
```

```
<400> 1757
agtcaaaaga agcctgggac atccgtgaac aacacgagtg aagcctggga catccgtgaa 60
cgacagagtg aagcctggga cattgtgaac gacagagtga agcctgggac atcgtgaacg 120
acagagtgtg tgcctaacat tcctgtacaa ggttctgggt ttgaaccag caacaaaagc 180
aaaacaaaac caaaaatctt ggaaaatagt gtatcgatgc aaggatttgg gggcgctact 240
gtagaaacac aaccaaccag gtggggggggg ngaatgaata aatttgactt 290
```

```
<210> 1758
<211> 488
<212> DNA
<213> Mus musculus
```

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 27, 30, 48, 49, 53, 55, 58, 63, 67, 77, 119, 187, 200, 211,
 212, 239, 240, 301, 302, 319, 321, 393, 442, 444, 465, 468,
 472
 <223> n = A,T,C or G

<400> 1758
 cccaccgcat aggataaatc tcatgggnatn tgttttttgt gactttgnng ttncnggngc 60
 cgnaacnaat cattgtnatc agttactcca aaattttaca gatcacgaaa gcatcgcgna 120
 agaggcttac gctgagcttg gcatactctg agagccacca gatccgagtg tccaacaag 180
 actaccnact cttccgcacn ctcttcctgg nnatggtttc cttcttcac atgtggaann 240
 ccatcatcat caccatcctc ctcatcttga tccaaaactt ccggcaggac ctggtcatct 300
 nnccatccct tttcttctng ntgggtggcct tcacgtttgc caactctgcc ctaaaccctc 360
 atactgtaca acatgtccct tgttcaccaa ccnaatggga agaaaatttt ttttgctgcc 420
 ttcttttttt ccagaaaaag gnanccatt ttttacaaaa cacgnctntc angccaaaat 480
 aaaccttt 488

<210> 1759
 <211> 371
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 38, 40, 44, 48, 66, 68, 70, 73, 76, 77, 84, 96, 101,
 108, 133, 140, 143, 206, 208, 285, 332, 352
 <223> n = A,T,C or G

<400> 1759
 ccttgcccg gtcttttnaga cagcacattc atcctgcntn actngtgnac gttagatgac 60
 taccanancn ttncntnntg tcantgtacg ctaaantcct ntgggggngc ctggtcggcc 120
 cgtctctcat ccngtcatcn tgnccatggc aagattctga agggattatc ggcaaaaaaa 180
 gtgtgattgc agcatctgaa ccctcntnct aattgccgcg ccttaagatt ccagcatcac 240
 cagcatcacc tctcttttct tcagtgtcat tcataaaagg ctgtnagggtg catacaccta 300
 acactttctc cttattgacc cattctgagt cnatttactg aaatgtactt cngaataaac 360
 aaaatgaatc c 371

<210> 1760
 <211> 141
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 27, 36, 42, 55, 61, 71, 79, 84, 96, 103, 124
 <223> n = A,T,C or G

<400> 1760
 tgctacctgc tgaganactg aacctgnctt cctganaaat tncctgagata gcggncaacc 60
 ngtgacttg ncgacctant gctnacagct ctgacngact acngctaaca acttatcaac 120
 aaancatcaa gaagcctggg g 141

<210> 1761
 <211> 117
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 47, 70, 78, 101

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<223> n = A,T,C or G

<400> 1761

```
acctcgtgtg ccacatttgc ctccagcccc tgctacagtc gctcganacg ccctgcggac 60
acacgttctn gcacaagngc ctacacaaac ttcttgcagg ngaaggattt ctgcccc 117
```

<210> 1762

<211> 332

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 31, 38, 60, 69, 78, 105, 107, 108, 109, 112, 145, 165,
179, 203, 213, 219, 223, 233, 235, 257, 273, 284, 290, 311,
314

<223> n = A,T,C or G

<400> 1762

```
gtttcctttt ttggggcactg cntcttggta ntgatctnac acttaaaatg ccacctagen 60
attgcaggnc cagggggnga cccccccca gatggaggct ggggncnnnc ancgtagtc 120
aggagccttc atttctattg gcttntacta tgcatttccc aaatnccatc actgtcttnt 180
ttaaagagat agaagttata ttnagtgcga ctnaccagng aantatcatg ganancatct 240
atcatgtttg gctagcncat gtatgctgga ggnccatca gcantatctn ggttgaataa 300
ataccggaag ngcnttcgag tcaataactc ta 332
```

<210> 1763

<211> 332

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 91, 142, 286

<223> n = A,T,C or G

<400> 1763

```
cgtgcttttg agcagcccag tacatggaaa accacgcccc cctgcgcgcg cagctcacct 60
ggcggaagtg agaggctcct cggcgcccgg nagggggagt cgggtacttg gagagaagat 120
gtccgggaag ggccaggaag cnggggggatg ccagagcacc tgcaggcgct gtcccgtgt 180
gcgagggcgc acgccttccg gaggggtccg cttgactggg gggagcagga ccgggggtcag 240
cgtccgctct gccggttcat acctcacaca ctaagtcttc gtttngnact ctcattcatt 300
cacatgttcg ctttcgccct caaaaaaaaa aa 332
```

<210> 1764

<211> 333

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 248, 254

<223> n = A,T,C or G

<400> 1764

```
gactgagaaa taatgttcat atttggaccc atgtcgaact tctctgaaga aagggcaacg 60
atgattgcag ccgggggattt gcaggaattt gttccttttg gccgagacca ctgcaagcac 120
caccctaacg ctctgaacct tcagcttcgt cagctgcagc cagcctctga gttatggctt 180
tctgatgggtg cagctggctt ggtgggatct cttcaggagg ttacaatcca tgagaaacag 240
aaggtttnat taanattctc atcatacttt tgaaatttag aatgaatacc gtgctaatat 300
aaagctgcct atatgcatgt gagaaaaaaa aaa 333
```

- REPLACEMENT COPY -

<210> 1765
 <211> 161
 <212> DNA
 <213> Mus musculus

<400> 1765
 gagcgtggat tcttctcaca cccatgtccc gccgcgagtg gaggacccac aaggctctcc 60
 ttggacattc ctgtactctt tgtaggctcc acatcagggt gcaactcaga actattgtga 120
 acttcaagaa ataggaagat ccaagtgaga cccacaaagg g 161

<210> 1766
 <211> 454
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 22, 26, 30, 31, 32, 39, 40, 53
 <223> n = A,T,C or G

<400> 1766
 ggccttatca tttctgttgn gnctcnctgn nnetccttnn acattcccag ctnagatccc 60
 acccctgtag tcttctgcaa cagctgtgtg ccggctcgaa agcgtggac atcgggtgacg 120
 ctgtgggtgtg gagctggcca attagcctcc cctcggcggg tgaggatttc cacgggtattg 180
 gtccagaagt gtcagtgccg cccgaagctg tgagctgagc atcctagagg aatgcgcagg 240
 acatgaatga accttggcaa gaagcaggag acgcaataga aagacgtgac ctgaatgatg 300
 tgcacgcggg caagagagca gaattggaca gggccagaat actagacatg gtccccccagt 360
 catgggttta agaccactaa tagtcataga atgtggggct aggggtataac tcagtggggag 420
 aagggtcttg cctagcatgc atgaagccct gggg 454

<210> 1767
 <211> 445
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 36, 56, 66, 72, 73, 80, 82, 87, 93, 101, 103, 108, 127, 136,
 142, 143, 144, 146, 152, 154, 156, 163, 168, 171, 175, 184,
 185, 188, 189, 190, 192, 211, 213, 239, 250, 253, 260, 265,
 283, 284, 296, 352, 363, 406
 <223> n = A,T,C or G

<400> 1767
 gagccgtgga ttcttctcac acccatgtcc cgccgngaag tggaggaccc acaagntgca 60
 caggangcct tnngggcttn gntggntctt gcncgcatgt ngnatatnta tactggacac 120
 agagacntac atatcntcag annntngttc tnananagct acntgttnat ntatnacttg 180
 attnngannn cntggggtca aagggaacaca ncntcccttg gttttactct ggaagactnc 240
 ggaagattcn acngatgtcn gtcncagaa gatttgacca ccnngccatg ctgctntgaa 300
 tgctacaagg gataaagtcc aaagccaaag aggctagagg gccaaagtctg cntaaaatcc 360
 tanatgaagc actggggggc gtggctcgctg agaggagtca ggtggnggct gaggacatcc 420
 ggcttggaga gaccctgtca gagcg 445

<210> 1768
 <211> 330
 <212> DNA
 <213> Mus musculus

<400> 1768
 cgtggattct tctcacaccc atgtcccgcc gcgaagtgga ggacccacaa gggctctgctt 60
 agttggactt cccaagactg tgtgtggagc tggagattta atcaaaaggc ctttaagatga 120

- REPLACEMENT COPY -

```
gtgccttgtc agagcacaaa cattccgcag tcccaaggaa aatacaattt aatgcatcca 180
gttaaattgc ctgagaggaa atagtgaata cagctttctt caagtctttc cccctcaggc 240
cattcactaa gaaactggtc accaactgct ggtttcttac cctgttttct cacctaaaga 300
atgctaata gcttgagctc gagtcctcaa 330
```

<210> 1769
 <211> 311
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 49, 67, 80, 83, 85, 103, 107, 119, 120, 121, 124, 126, 137,
 140, 154, 163, 174, 190, 199, 202, 208, 235, 252, 256, 258,
 273, 284, 286
 <223> n = A,T,C or G

```
<400> 1769
ttcttctcac acccatgtcc cgccgtgaag tggaggaccc acaagaggng caactggtag 60
ctgggtngga ggcccggcan cangngacct taacaccttg acnctgnagg tggcccagnn 120
naancntggg attgtanatn aggtgctgga ccancatctg ctncctctac cagntggaga 180
actactgttn tagaccanc antaccngc ctaccctct gccttgaata aaacntttga 240
atgagcagaa angaananta taacgggggc acngtcctta ccantnctga gtaccctgcc 300
gctgtactgc t 311
```

<210> 1770
 <211> 134
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 47, 54, 60, 62, 67, 68, 71, 95
 <223> n = A,T,C or G

```
<400> 1770
acttactata acccatggna ggggtgccgtg tgtgctgctg cgggctntga gtgntgccan 60
gnagacnnag ngctctcttt tgccgttttt aaagngaagc atctgatcag cgctcagatc 120
accatctacc actg 134
```

<210> 1771
 <211> 279
 <212> DNA
 <213> Mus musculus

```
<400> 1771
tgagagatgg cctcagaagt cgaggggaaca aatccctgtg cgtgaggagt tctttctctg 60
tggtggagtt gaaaccaaga tcataaaatg tgggcccttg actaacctct ttgagaaaca 120
agacgtcagc aagccaaaac agcttatctt catcattccc ggtaagtcga aaagtcacag 180
gttctcaaaa cctctgggtc cagagtgact gccggtaaac tggagaatca caaataaaat 240
taccactacg aatgatgggc acgggttacta aaaaaaaaaa 279
```

<210> 1772
 <211> 239
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 25, 79
 <223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 1772
gactgaggag acctctgaan agggntacag acacagtctt tgagaacttc tgctgaaccc 60
atggaggatg gatgtccna ggaagagaag cgggggctca ttgtcccttc catctactct 120
gccctttgca tctctcctac ccaacccttc gtctgcatgc ctcagtacta ctcaggcctg 180
aggacctgag tcagtttcca ggctcatgta aggctttggc ttcaataaaa caaaataaa 239

<210> 1773
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 50, 100, 102, 112, 118, 122, 144, 149, 155, 157, 161,
167, 168, 169, 180, 181, 188, 190, 192, 198, 199, 202, 210,
244, 249, 255, 259, 279, 286, 295, 299, 347, 357, 382, 389,
447
<223> n = A,T,C or G

<400> 1773
gggagtgtat ggggctcent acccaagga aggagacggc tggggctcan gaagtgaatg 60
aggatgagaa cacaagcaca gaggagcctg tggatcaggn angcccatca cncggacncc 120
anggagcctt attatgggca tagntctgng ctaangnctg ngctccnnng cacagtcttn 180
ntggcggnntn ancgagannt anatctgaan gcctggcttc ctgtttccct tgtgaggcgt 240
tcanatatnc agtantctnc tttcctgggt ggggacctnt ggcagnccat gcaanttng 300
cacacacata gctatgtatg tctccaaaca tccaccagag ggcaggngat acagttnaag 360
aggccttgtc tgcacaacac cngcctggnc ctgaagctgt agccccaacc tccgccccatg 420
ctcctccatc ttaagagctg ggagctncag atacaaactg ggggacaact 470

<210> 1774
<211> 170
<212> DNA
<213> Mus musculus

<400> 1774
gactgaggtc cccctgctca gccagatctg ctcaccagtg aatcaactaa gaaccctgga 60
tggtgaagag agaggagact atagtaaaga atccaggatg gttagaggaa ctgaacaagg 120
ggtgagggtg cccttaagtg acaataaaaa gagaatgtga aaaaaaaaaa 170

<210> 1775
<211> 329
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 85, 90, 108, 118, 122, 126, 135, 144, 148, 152, 160, 197,
212, 227, 231, 238
<223> n = A,T,C or G

<400> 1775
gactgaggag aactatgatc agatgaaagc tttagttagt caacttcatg agcgagccca 60
gtatgtgaga ctaggaggga gtganaaggn cggggcgagg ctcacatnct aaggaaanct 120
gntccncaca gacanaatcg actntctnat anaccaggn tgggtctagc gctttgtacc 180
tcagcgtgtc ttctgtntcc ctggacagtc cnattaacaa atgcttntaa ntttgggntt 240
cttaaaaaaa aaagtgactt gatgaattgc acataagagc acaataaaaag tggccataag 300
ggaaatgagt tttttcagca caaaaaaaa 329

<210> 1776
<211> 188
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 64

<223> n = A,T,C or G

<400> 1776

ctgagagcct	ctctcttctg	acgacatgcc	cagctgtatc	acaggaggag	agtgttaagt	60
cacnaacggc	gatctccatg	acgacggagg	ggagcggcta	ccaaaatgac	cttccaaagg	120
acggccacct	ctgaatgctg	tgatacagtg	gtaacatggg	aaaataaagt	ctagctatta	180
ggaatgaa						188

<210> 1777

<211> 358

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 82, 88, 92, 95, 157, 163, 166, 179, 191, 226, 250, 300, 315

<223> n = A,T,C or G

<400> 1777

tgtgttcctt	ccaggntgac	aaaacaacat	tggggtcctg	gtcaatatga	tgaggtcacc	60
cgccacacaa	gagaaaggaa	ancggtcnac	gnggncctat	gcaggtagtc	cacatgctag	120
gaacacctga	ggcttccttt	tcagggatgt	gccacanact	agnggnaaag	atttcttgna	180
ctaattgctc	naagaaaagc	actcacagaa	aagtaaattt	acccntcct	taaaagggtt	240
catcacttcn	tatttatatt	agagacaaat	acaaatcttt	caaggatcct	tcttgagcan	300
agagatatatt	ctctnctcat	tttaactctt	aatccttttg	gactagggtta	aagcatag	358

<210> 1778

<211> 579

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 31, 34, 244, 245, 250, 252, 253, 256, 263, 265, 269, 270, 271, 314

<223> n = A,T,C or G

<400> 1778

cacactttta	cacttttacag	actatnagaa	nagntagagg	ggcgaagtct	aaaaatgaaa	60
ctgcctctga	ccttctgcag	gctgcttagc	aggttaaaca	gattttctgt	aaaagcaagc	120
cctcctgtga	gtttctccac	ttcctcttat	ttgtgtagcc	agaagaagaa	aaactcttac	180
gaagcagtag	accaagcgaa	gtactctcgt	ttagtacgct	ctgtcttgtc	cagaggcccg	240
gacnngactn	cnnagncgct	gtncnaggnn	natgatggct	gtatggacca	gtgagtaagc	300
ataaggctgc	agancccgag	ccacaggccg	gagtcccaca	acactgcttt	cctatcttca	360
atgaagagag	aaccgggaaa	ccacacacag	atgcttcttc	aagccctttg	aagatccctt	420
tgcaaaggaa	ctcgataccc	agtgtgaccc	gcatccttca	gcagaccatg	ccacctgaac	480
agagcttctt	tttgagagag	tggaaagagc	ggatggttct	ggagctggga	gaagacgggt	540
ttgcagaata	tactttcaag	taattatctt	gcttctggg			579

<210> 1779

<211> 397

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
<222> 77, 134, 197, 226, 345, 371, 373
<223> n = A,T,C or G

<400> 1779
actgagtgc ccatggagag tggttaatggc tattttaatga agtacaccaa ccttggtcacc 60
gggtggcagt acagggnttt tggttttaaac aatgaagctg ggctgttgga gtactttgta 120
aatgaacagt ctanaaatca gaaacccaga gggactttgc agcttgccggg gggccgtgat 180
ctctcccagc cgatgangac tcgcacacct tcacagtga tgccgncagc ggggagcagt 240
ataaactcag gagccacaga tgctagaaga gcgggcagca ttgggaaatg taaacactga 300
agaaagagta ttgaactaaa aaagcagcaa tctgcattca ggggnaaaaa attggggtttt 360
tttatgaggg nantttttatt gggggggttga aagaaat 397

<210> 1780
<211> 629
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 515, 535, 594
<223> n = A,T,C or G

<400> 1780
gatgacttga aagtaggggtg gtcttcacca ggctaaaaga agtaatgatc cataacaggg 60
tgcactgtgg ttctagatct gaatgagatc gcgttcacatca ggacttcagg tttctgacaa 120
cactgttttg agtaatgtat atatgggtctc tgtaatgtag aggtacttca gttcagatgg 180
ggaaagttga gtttgcttta gaggattgca gaactgtgat gtaattccag agaatgcttg 240
tcaagtccag ctacgctttg gcagatgagg cagtgcagaga gctcaccat gccactgag 300
ctgcatatct agctataatt tttagagggga ctagatgggtg tctgtggact acatgtggcc 360
ggctacttgc taattaaaaa gggatttcag acatctatgt ggatggtagc catcttagga 420
cagcttagaa tgttttaggat attgcttttt aaaagcaaag ttttatataa aggttcctat 480
aatggcccag atagtaatat taatactgct ttggnttgca ctatgttgct tttgngtgaa 540
aaatagtga ctttgggttt tttgggtcat caaataaatg actttggtat attncaataa 600
aacctactgg ttaaccttaa aaaaaaaaaa 629

<210> 1781
<211> 442
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 185, 325, 327, 329, 331, 340, 355, 358, 363, 365, 368, 369,
371, 380, 386, 395, 396, 400, 404, 408, 413
<223> n = A,T,C or G

<400> 1781
tgaggtcctg agccccatct cttgttagca caaatgccta gaatcaacag acgacacagg 60
acattgtaag atgctgtgga aagtgtaggc tgttcagaaa accacctagc agctcccaaa 120
aggttcaaca acaacgacag aaggaagagc cacataaccc agggacttgg acctccagca 180
ctcanaaccc ggcctagacc caaggctctc tggataaggt ccaggtaaac tgcccggagg 240
acacttctgt tctccggaag ctttcgatgg aggcctcagg aaaaagcaga caagaaaacg 300
ctagcggctg gcaacaaagg ctatntnant nccaactatn ggaatgttct actgnatnac 360
ttngnacnng ngtctttcan atttgnngca agagnntgtn tctnttttct ctnccctgaa 420
gacatacctg ccccatgcat aa 442

<210> 1782
<211> 496
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 22, 107, 124, 130, 134, 141, 167, 204, 255, 257, 330, 358,
 406, 421, 434, 436, 456
 <223> n = A,T,C or G

<400> 1782
 aactgagcct gtggggccctg gnagtacgta tttgatattg gatgcgaaca gcacgggtgaa 60
 tatcgccctca cagatacggga aagaggagaa ctaggaggag gaggaanaga cattagttaa 120
 catngttccn aaanggaaag ntctcaacat cacagaattg gccctgngga ctccaaccct 180
 ctccgaggag cagcctcccc ctgngggcca aggccaggag gaaccgcagg gacttactgg 240
 cgtgggtgac ccctnanaag acatccaggc agaaggtttt gagggcgagc tggagccgag 300
 gggggccgat gaagacgtag acacgttcan gcaggagagc caggagaaca gctacganat 360
 agaccaggga aacttgaact ttgatgaaga accgtcagac ctccangatt aagatagtgg 420
 nggcagaaga ccananacac accaggcgtg ccttanttaa caccagtcag ctagggctgg 480
 tatccaccac ctgatg 496

<210> 1783
 <211> 610
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 22, 49, 80, 200, 203, 209, 301, 303, 308, 312, 313, 499,
 521, 524, 570, 574, 585
 <223> n = A,T,C or G

<400> 1783
 gaaagggcat tggatccent gnagctggag tgacaggaag ttgaagatnc aggctattac 60
 ggaccaccag ctgtggattn tggcaccaaa ctcaggctcct tgggaagaac agaaatgttc 120
 ttaaagactg ggccatctct gcagccctgg gttgttttgt gtctgtgaag caagcatccg 180
 accgaccgag ctccatcctn agncacctnc acgtgtcttc ctctctcag cctcctgagc 240
 gcctgagttg cttecatgtg ctggctgcaa caacgctgat aaaaaatgag aaaggaaaat 300
 nanggcgnga gnnctgtttc ccccttttta ttattttacc ttgtgtgata caaggccttg 360
 gaagcaggac ctcatactta gctactcaac ccactgagaa ccatcccaag tcttcctttt 420
 actctttgtt tcctcagata ggagctcact aagttgccta ggactggcct ttaattaatt 480
 ttatagccaa acaagccgng actttacaat ccttcagctt nggntccca gtaactctat 540
 tagagccctg caccatcaga cccagccttn ctgnccctct ttggntaaag gctgcaagta 600
 aaaattgctg 610

<210> 1784
 <211> 260
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 177, 227
 <223> n = A,T,C or G

<400> 1784
 tgaaatgcct gagatctgcc cctgccgaga tctgaactgt cttcctgaga gattcctgaa 60
 taaactgcca gcctggcagc ctggaatgac tccaggcacc aagagtggaa ctggcgactt 120
 actgctaacg gctctggcgg actagtgtta acaatgtggc acaaaaacat caagaancct 180
 ggcatggcag gggatgggct tcccccttt ataacacaga ctgctantaa acattgacct 240
 tgaacaggga aaaaaaaaaa 260

<210> 1785
 <211> 555
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 166, 219, 223, 286, 300, 346, 358, 463, 483, 505, 509, 515

<223> n = A,T,C or G

<400> 1785

gtctggtgca	tggagaagan	tttgagccct	cgttctgttt	ttacaccggc	tacaaaatcc	60
ccatatgcaa	aaccctggac	cagtattttg	agttcatcca	gtctctgcca	tccctcgata	120
accagaagt	ctttgggctt	caccccaatg	ccgacatcac	gtatcngagt	aacacagctt	180
ccgacgttct	tgaaccatc	accaacattc	aaccgaaana	aancgggtgg	ggtgtgggcg	240
agacgcgcga	ggccattgtc	tacaggctgt	ctgaggacat	gctcancaag	ctgccccctn	300
actatgtgcc	tcatgagggtg	aaagctcgct	tgatgaaaat	gggtcncctg	aactcaanga	360
acatatctct	tagacaggaa	attgacagga	tgcagaaagt	ctctcaatcc	tccgcagcag	420
cctgagtgac	ctaaaactgg	ctatcgaagg	gacgatcatc	tgnagtgaga	aattgaaaaa	480
tcnttgggag	gggatgtttg	atgcncgtnt	cctcngcttt	gggaaaaaag	gtgttcctgg	540
ggaatcccc	cccc					555

<210> 1786

<211> 429

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 352, 360, 370

<223> n = A,T,C or G

<400> 1786

aagcagctcg	gcaatgatgt	catctcccag	gacccctcca	gcccagctctc	gtgcaacaca	60
gagcgttttag	aaggaggggc	gacagtgcct	aaactgcaac	caggtcttcc	agaggcccgc	120
tttggttcgg	gaacaccaga	aaagaatgcc	aaagctgaac	ccagagtggg	tggaggctgc	180
aggtcccggg	gctcctccag	catgcccacc	agcccaaagc	ccctccttca	gtcccctaag	240
cccagccctt	cagcccggcc	ttctatccct	cagaagccaa	gaactgcctc	ccgacctgaa	300
gacaccccag	actctccatc	tggtcctagt	tcccctaaag	ttgccctcct	tncacccatn	360
cttaaaaaan	gcttcttcgg	acaaggagcg	tgacggccag	aacagctcac	agtccagtcc	420
taggagctt						429

<210> 1787

<211> 276

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 99, 113

<223> n = A,T,C or G

<400> 1787

tgtaggaaac	aatagtttta	atgatattat	ggaagcaa	ttacccagcc	cttcaccaa	60
gcccaccct	tcaagtata	tgaccgtgcg	ttaagagtnc	atcactgcaa	agnatgtcga	120
ccaccgcttc	tccaggaaga	cctgtgcctc	ttcctcagca	aagctgaacg	aattgcttga	180
ggccatcaag	tccagggact	tacttgcatt	aatccaagtc	tatgcagagg	gggtggagtt	240
aatggagcca	ctgctggaac	ctgggcagga	gctcgg			276

<210> 1788

<211> 432

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 253, 259, 261, 266
 <223> n = A,T,C or G

<400> 1788
 aaggtttcct cccagagtcc tctgattcat gcaggaaaa atctgaggca ccatggaccg 60
 tccattcaac tgaatgctta cggtagactgg ccctagagcc atgtgccctt gacaggggtc 120
 acagtacaaa agacaacgtg gtttttcatc agggaccaaa caactacacg cgcccagtgt 180
 cacctgatac tgtccactgc accgccatca caatgaattt tccagaaact aatacaaaaa 240
 attgcttctt tanacactnt ntttgngctt aacctcaata accgtcggga gatggcaaat 300
 taacgcaatc caatttttaa atgatgccgg ggcacatggt cttcatccac caggaagcac 360
 atctggatct ccatcactac tagcgaatca ccagaataaa ttctcgggtt cttcggcgcc 420
 gtgcgcgaca ca 432

<210> 1789
 <211> 192
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34, 97
 <223> n = A,T,C or G

<400> 1789
 gactgagctt tcagtccttg gagatgttga agcntttatg atgggtgcatg gccaaactta 60
 agctatgcac ctgaagccat agtttcttcc tcaccanaag tgatgggttca gtcgtgaggc 120
 agccctccag caagacattg taaaagtgtt tcaattgttt aataaaagggt caagtatctg 180
 gaaaaaaaaa aa 192

<210> 1790
 <211> 437
 <212> DNA
 <213> Mus musculus

<400> 1790
 gacgtacaga aggggctaca ggaccgaggg cagattcaga gccagagcca gcggccagtt 60
 ttcttgaatg cgggtccaggc tgtgtttcag gaagggccct gcgtctatgc agcgtctgac 120
 ctgaggaagg ctggaaaggc ttcaggatac taagtcagct ctgccagag ctgggatctg 180
 gccactacg aatgctgtga ctcacatggg tgatgctgta tgcctaagca ctccaggacc 240
 tggatccctt gctgtgaggt caacctggga ctgaaaaaga acaaggatca gctcagcagg 300
 atgaatgact ggagagagaa ggactgactt gtccttgatc ccatcccaac acctcctgtg 360
 gccctgcctt ggttcttcta gccttgcctt ggccctcatgc ccaccctctt aaatggtgta 420
 cctgccagtc caagatt 437

<210> 1791
 <211> 318
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 33, 37, 49, 74, 84, 96, 108, 129, 131, 132, 134, 135, 137,
 142, 143, 146, 150, 160, 162, 172, 184, 221, 233, 254, 255,
 272, 280, 299
 <223> n = A,T,C or G

<400> 1791
 catgagtctg cactagtctg tatgtggcat ttncaanaca gcagatgcna gcaaggcagg 60
 cacataaaga ctcnggagag actnaggcat caggcnccac ctcccctnga ggaactgata 120

- REPLACEMENT COPY -

aacatccana	nnanncnatc	tnnctntctn	ccaccctctn	anagcctgaa	tntgagcctg	180
tggntgcttc	aggccctatg	catagagctc	ggctgggtgaa	ntccaagagg	aanaagccca	240
ggggactctt	cagnnaactc	tccatgtctc	anccaccacn	aagagagcaa	aaccgcttnc	300
tagcatcacc	tggaagga					318

<210> 1792
 <211> 330
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 33, 53, 65, 71, 95, 137, 245, 257, 262, 264, 283, 297,
 304
 <223> n = A,T,C or G

<400> 1792						
tgcacggaca	gaggcttcct	nacctgcccc	ttntgtgcct	acttttagagc	cancatcata	60
tgcanaactct	ncaccggcgc	cagagacccc	agcanaagaa	gatactgaaa	atatggttcc	120
tgattgcatc	tgattgnact	tttaattcta	taccagggg	atacagggga	tataaaaactg	180
gtaaatataa	atctatatgt	atcattgcct	accagaatgc	aatttgacca	attgtataac	240
ttttncatga	gtcatantgc	tntntctcat	tgtatgctaa	ctnccttatg	taatgtnacc	300
aatngcttgc	tcacagatct	tgacataatg				330

<210> 1793
 <211> 441
 <212> DNA
 <213> Mus musculus

<400> 1793						
ggctgcaggt	gatgtgagcc	aggagccaaa	gagaagatca	cgcccgactg	tctgctatgc	60
ctgtgccctt	tacaccggag	ttgaaaccta	aaagagcatc	aacttcaagg	aaaaccaaga	120
ccacaaatgt	cgtggaagaa	aacaaagatg	caagtaccat	accaattcct	gaaaccaagc	180
cagaagatgt	taaagacgaa	tgcaacatgg	aaaatgctga	aaatggagaa	gccaagatta	240
tggaggcacc	cattcctaaa	atggaagctg	aggaagtaaa	agaacagata	aatgaagaca	300
ctgaagaaga	tggaggagaa	aagaaagaag	cagtggcagc	agaagccaaa	gatgatgagc	360
taaaagcaaa	cattcaagat	gtggagaaag	atgaagatgg	aaaaagagca	caaagataca	420
ggtgaggagg	tggaagacgg	a				441

<210> 1794
 <211> 125
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 33
 <223> n = A,T,C or G

<400> 1794						
ggcctcagga	ctcctttgct	ctgtcactct	cangatccca	gccctggctc	cccaaagtac	60
ctctacacc	tccagctttg	ccttgacaaa	gaaataggga	gtccaaagca	agtcaaaaaa	120
aaaaa						125

<210> 1795
 <211> 176
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

- REPLACEMENT COPY -

<222> 79, 126, 129, 136, 144
<223> n = A,T,C or G

<400> 1795
cagggcaaac gaggaccaca tggcagaaag gagaactgaa gaatccaaag cccagtgta 60
cacacatctc ttctgactnt tccagcaaag acgggcctgt tttccacta tgcccggatc 120
agaacngang gtcatnaggg tcanttccaa cccactttcc tcatgtgcac cctgcc 176

<210> 1796
<211> 329
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 62, 71, 110, 123, 130, 140, 164, 174, 182, 183, 186, 222,
225, 234, 256, 258, 263, 265, 272, 278, 281, 284, 289, 302,
311
<223> n = A,T,C or G

<400> 1796
acactctact ctgatacttc caatttgctg ttcttgctga actctttgga tcttggacat 60
cngaagtgcc ncacgatatt tgttttgtgg gaaagaacat atgtagaagn gtgactcgtt 120
atnagacctn accctctgtn acattccata gtggtttttc tatnactata atgnaccgta 180
tnnggnatca atcgagcgca tggcattggt gaaaagaatt tncnaacct taanctgtga 240
acattcttat tggaanancg gcntnccaaa cntatganct ntgngcagnt cactgttctt 300
gngggttccc nagaaattgg agtggtctg 329

<210> 1797
<211> 393
<212> DNA
<213> Mus musculus

<400> 1797
ctctgtctgg ttcgtcactg tccgtccatc tttggttcca cgatgcctgt gctggagaag 60
tagatgcagt ctgtgtccag tccacgtgaa ctagcagccc actctgcact ggccagtaaa 120
ccatgcccaa gacaccatgg accacgaacc taatgcgctt gtttcaacc tacatgagga 180
ccctgtctag gggaggctgg gttctccagc aagaaggcgg atcctccaca ccagcccttg 240
tgagctacat gaggaggag ggcagacagc aggaacttcc ttgaggctgg aaatggagcc 300
taacaaatga gagatttcag cagtgagaag cctaattaag ccacctgggt cttttggccc 360
accctaccc cagtccattc tgcccgtggg ccc 393

<210> 1798
<211> 208
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 33, 147, 148
<223> n = A,T,C or G

<400> 1798
tactggctca cctgctgact tacactcagc tgnacagccc aagactgcgt acctagtaga 60
tggtactgcc cacggtggac agctgccctc ctacctcaac taacaattaa gacagtagcc 120
tcatggagat gcccatgtct tatttanngc aggtctccca ttgaggttcc atctttcagg 180
tgacctctag ggtctgtag agtgcccta 208

<210> 1799
<211> 150
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 31, 87, 126, 131, 134

<223> n = A,T,C or G

<400> 1799

```

tttttgaagc cggaagggtt ggggggatcc ntttgtttgg ggtccatccg ttcaagggtt 60
ggcttcccgt taaaactttt cacgttngac atcttcctcc tcgggcgggt gggggaccac 120
cggctngcct nttnttcgga aaaaaaaaaa 150

```

<210> 1800

<211> 133

<212> DNA

<213> Mus musculus

<400> 1800

```

gagggtcct gcaccaggaa agaacaatca gaggtaaatg atgtgaggag gtggatggag 60
gtaccaaca cctgtcagtc tccttaatca gcctgtatct atattaaaga ccactccctg 120
ctaaaaaaaa aaa 133

```

<210> 1801

<211> 229

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 139, 149, 163, 165, 169, 172, 179, 185

<223> n = A,T,C or G

<400> 1801

```

actgaaaaag gaaagaacaa gaagaggaag aggaggagga ggaggaagaa aagctgcact 60
tttcttccca gcactgcaaa ggcagaggca gaaggatcct gagttcaagg ccagtttagg 120
ctacataaaa agttatganc tactctggnt tacggagtaa gananactna gncctccant 180
atccntaccc cccaaaaaaaa gcaggagcaa attctgatca aaaaaaaaaa 229

```

<210> 1802

<211> 187

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 120, 124, 143, 144, 158

<223> n = A,T,C or G

<400> 1802

```

cgaaaatcag atatccagag atcagaaaaat gataacatct gaggatcggg tccaagaagg 60
gaaaaaagtt gtgaaactca aaacagaagt ggctgataaa gaaaatattg aaagtacagn 120
tganaaaaac tgcattccat tgnnagctgg agaagtancc agctcagaaa tacataattc 180
aaaggat 187

```

<210> 1803

<211> 164

<212> DNA

<213> Mus musculus

<400> 1803

```

actgagagag gatggctgcc tttggcgagg ttagaagcac cgctggaag cccatcgctc 60

```

- REPLACEMENT COPY -

gggaggtaga gttaggagtt caaggtcatc ctttgccaca cagtgattct gaggccacct 120
tgagctacgt gggaccctgt ctcagaataa gaccaaaaaa aaaa 164

<210> 1804
<211> 252
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 40, 42, 46, 48, 52, 68, 70
<223> n = A,T,C or G

<400> 1804
aggcccgtg aaattagtag ccnaaaagaa ggactcaggn tntcantnCG gnccttcaaaa 60
aacaagcntn tggggaactg gagctggagg gagctaagct ggctggagat gatttgcatt 120
taaagagaaa gtagccctct ttggattccc tgggagcgga gccggaggag agtacttccg 180
ttgatttaac agttcccctt tcctacctcc cacaagaact aaaggagcac tgttagttac 240
cgggaaaaaa aa 252

<210> 1805
<211> 252
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 91, 102, 138, 163, 171, 175, 176, 200, 204
<223> n = A,T,C or G

<400> 1805
ccctcgctaa cctgagtgat tctgnaacta cacaagctgc atttgggaga aggagaagtg 60
tctgggaagg ggccccgaac agaggaagaa naacagacgg anaccacggg gaactgggaa 120
ggagcaagtg cggaggcnat cctgaagctg ctgaggaagg aanatgggtg ngctnnctc 180
aagctctttt gctgcataa tgcncggaaa atatgagagg atcctgaaag aattctcttg 240
cagagagcac at 252

<210> 1806
<211> 298
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 34, 55, 75, 99, 100, 109, 132, 167, 171, 190, 195, 197,
210, 212, 219, 221, 229, 234, 237, 239, 240, 241, 242, 251,
264, 277
<223> n = A,T,C or G

<400> 1806
gttccaggct ggtcacgggc agcttccctc antngatgaa ctatgatatt gttgntacct 60
gaaagaaacc ctctnctccc taagttgttt tttggtcann tacgctggna tagtttgatt 120
gtcaaccgtg angccgagct ggagtcattg gagaagtggg aaccccnagt nagaaaaatg 180
tctccattan tatentngct aagggttgan cnagccttng nggagcaant actngtnann 240
nntcaagtaa nctcccctcc gtgncctctg taacatnctt ccctggggtt caaatctt 298

<210> 1807
<211> 230
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

<400> 1807
gagtcagacc ctggaagcaa ttgaagacat gcatgagaag tccatggagg gtttgatgaa 60
catggagacc aacaactacg atatgctttt tgatgtagat agtgaagaga cattatgaag 120
catactctga agtactcttc tcctttccca tcttcagact aatgaagcat acatatttct 180
cacttgctgg tacattgtaa ccaaataaaa aattcactaa caaaaaaaaaa 230

<210> 1808
<211> 446
<212> DNA
<213> Mus musculus

<400> 1808
agggaacttt caggagcctg gccgccgcgg gagaaagctt gtcgtggtgg acttctctgc 60
tacgtggtgt ggacttgcaa aatgatcaag cccttcttcc attccctctg tgacaagtat 120
tccaatgtgg tgttccttga agtggatgtg gatgactgcc aggatgttgc tgcagactgt 180
gaagtcaaat gcatgccgac cttccagttt tataaaaagg gtcaaaaagg gggggagttc 240
tccggtgcta acaaggaaaa gcttgaagcc tctattactg aatatgccta atcatgctct 300
gaaaagtgtg accagctacc agctgtttta aacctgtacc ttttttaatt tgcaaaaaac 360
tatgaagtgt ggagagtcta tacccaactg ccatctgatt ataaatgaca ataaaatatt 420
aattctaccc tttttaaaaa aaaaaa 446

<210> 1809
<211> 193
<212> DNA
<213> Mus musculus

<400> 1809
tgagtgtaca ttttggaacg ggaaaggaag acgaacacgg atgccgggtg tcaggcagtc 60
ctggccgcgt gctgggctgc gctctgctgt tgctgcctcc tggacagctt ggactgagta 120
gccaagaccc agttctctcg cagccgctgc tcctgttgct gaataaacia ctagtggtac 180
acaagaaaaa aaa 193

<210> 1810
<211> 278
<212> DNA
<213> Mus musculus

<400> 1810
agccaatccc agacctgctg taccaccgat gtggaaaggc atttaacctt gctacacact 60
cccctgcttc ctgactagct tgggttgccc actccctcac ccacctcctt ttccctccat 120
atgaagctgg gaggggtgga attaccacag aaggagatca cccagagatg cttgtcagac 180
actcaggcaa atctaaccgc agctccctaa gggagacagc acccgagctt gaaggatccc 240
ttaaccacga gctcaatggc aagcacgggg gggggggg 278

<210> 1811
<211> 328
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 46, 48, 66, 99, 109, 116
<223> n = A,T,C or G

<400> 1811
actgagcccc ggtcttgcag gcagctgagc ctgctgnccg cagttntntg gaaacgtgtg 60
agcggnggct gaagccccac cacctgctgg accctcagna tgaaggaanc cctgggctgg 120
atcatggttc accagaatgg agtgcacaga ggcttccagt cgctcttctc catctcccag 180
gcaggaggac agatgcaggc aagctaccac tggggcaggg acctggctcc cagacgcccc 240
ctgctggacg tcctcctggc ccctacttcg gattcctgcc cctaccgcag gcgtgagcag 300
gtactgcgtg agatgccagg acttggaa 328

- REPLACEMENT COPY -

<210> 1812

<211> 321

<212> DNA

<213> Mus musculus

<400> 1812

```
tcgaggggaga tgagaactca cctaccatct gaaagtctta aggttttgctg acagacaaaa 60
ccgggcttttg aatggagcgt gaactcctga ggcgagcatt ggcccgagag agccgaggat 120
gcagggtgttg gtctgatctt gatttcaggt acttttggaa tacagaatac cagatgtgtt 180
cctgctgccc agccccacaa ggctatgcag aatgcaaaga agagttactt tttggctggg 240
gagtagtggt atcatgtgca ctattgctgg aaataataaa tattggccta tctgtagaaa 300
taaaaatctg actaatgata a                                     321
```

<210> 1813

<211> 285

<212> DNA

<213> Mus musculus

<400> 1813

```
gcctcacatg agtcaccgtc catgctgccg tgtgggctcc tgcctctgga ctttggctca 60
ttttccatgc ctgagctagt ctgtaccaga tgctggcagt ggggcatggc agagctcggg 120
agagctgaat tgattgccc acccttcacc tgtgccatct cttgacaatt gttactggaa 180
agcctgccct gtcacccctg ctttcagttc ttgtggctct tggatgaaag ttctgctatc 240
ttgtgccccca ccccatataa ggactgcctc ccaccaaaaa aaaaaa 285
```

<210> 1814

<211> 412

<212> DNA

<213> Mus musculus

<400> 1814

```
gatcccggga accccaaacc acaaagggca aagacagaag ccgctgaccc accagctgag 60
agtccgaccc ccacctccga cccctgagggc tgagcaagac gaggctgagc agaagctggc 120
ctaacacaca cctcagccat catctgattt agtgatctaa gaagagattc ctcaaagaga 180
agcggattcc tcaaagctgt cctttaagtg tcacacacac tgaggatagc tgttgagaag 240
gctgatctga ctccatgaca ggcttcacac tggcagttca ggagacaagg cctaactctg 300
tttccaagaa ctgagcaagt ccaggcaagt cccaggcctc agaagctgcc ctggcctgag 360
gcaaggacaa cgggtcagca gcagtttcca gacttcccag aaacagtttt cc 412
```

<210> 1815

<211> 185

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 85, 161

<223> n = A,T,C or G

<400> 1815

```
gggaccaaatt tcaacttgga aactccttca ggggaaactc tgccatcatt caaggaggaa 60
aatggcaatt ttcacaggat tcagnatctt tctcgtcttc ccttaccttt tacattaaca 120
tcacagttaa ttttgtgttt tgattcttaa aggaataaag ntaatggaaa tggcaaaaaa 180
aaaaa 185
```

<210> 1816

<211> 322

<212> DNA

<213> Mus musculus

<220>

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```

<221> misc_feature
<222> 37, 63, 64, 115, 126, 128, 139, 140, 160, 163, 171, 172,
174, 181, 191, 197, 202, 212, 229
<223> n = A,T,C or G

<400> 1816
agctgcagac aggaggagca gcggacggtc accaggntct acgtgccatg cattcacatg 60
acnnccatcc tcatatgcta accagcttct ttaagatgta tggagtgact cgcancgggg 120
ccacgnanat gaggaactnn cgaatggaga agaccacatn ctngtgcac nngnttcac 180
nccttcgggt ncagctnagg cncgagaccc tngatccgga acattgcanc gtctctgcct 240
ccaaagcttg caagcagcag cctgctctcc tccagtggcc gccctgcacc cggaaccaat 300
aaataaatct taataaaaaa aa 322

<210> 1817
<211> 387
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 341, 353, 364
<223> n = A,T,C or G

<400> 1817
agaatgacag aagatgctct gcgcctgaat cttttgaaga ggagtttgga cccagcagat 60
gagcgagatg atgttctggc aaaacgactg aaaatggagg ggcattgagg catggaacgg 120
ctgaaaatgt tagcactgct caaaaggaaa gatttggcaa atcttgaggt gccgcatgag 180
ttacctacta agcaagatgg cagtgggtgtc aagggttatg aagagaaact taatggaaat 240
ctcaggcctc atggagacaa caacaggact gctggaaggc ccggcaaaga aaacatcaat 300
tgatgagcct gtggatattg agtgctagac gggagggtatg ngaacagttt tanctgcctt 360
taanggattt gggtcgtctt aaaaagt 387

<210> 1818
<211> 160
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 36, 40, 47, 52, 75, 88, 95, 108, 115, 122
<223> n = A,T,C or G

<400> 1818
ccccccccc agccaaagca gggcatgttc catgangacn ggatcanctc anttgagggg 60
gcaaaaaaag ggganccttg gctggttntt atganaaaaa cttctcgnat ctggnccttg 120
anaaagaaag gcctttatag acaattgggg gaacatacaa 160

<210> 1819
<211> 121
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 75, 91
<223> n = A,T,C or G

<400> 1819
ttttcacatc cctgaaaacg agnctccctt ggagccaaag acttaagaga attggacaca 60
aaaacccgca aagangtgga atcaacagtt nggtgggcaa gcaaaaactt gtccttcttg 120
g 121

```

- REPLACEMENT COPY -

<210> 1820
 <211> 384
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 24, 58, 79, 96, 104, 114, 148, 168, 227, 233, 243, 255,
 256, 259, 279, 283, 284, 285, 299, 303, 321, 352, 367
 <223> n = A,T,C or G

<400> 1820
 tgctgtgacc tgatagcggn tcgngagcac atgggaaggg accccgccag gggcggtngc 60
 cctcctcggc gctggccgnc ggtgctcaag cacagntcat cgtngccgcc cganagcgcc 120
 caagtccaag gctaccgact tcaaccgngg ccgtacatta ccattgcngc ttctggacgc 180
 ctaccgcacc acccggttc caggctacca acttcgggcg cgcggtngca aanaaagtca 240
 acngcccatg attgnnaana aactggaagc cacctgggnc tgnnnaatga atatcattna 300
 cgncaaacct tgacttcaaa ngtcgccggc ccaactttaa caaagcttgg cnaccatttt 360
 ttccttntgg ggctttttta cctt 384

<210> 1821
 <211> 620
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 42, 270, 507, 516, 534, 554, 562, 569, 570, 594, 597, 599
 <223> n = A,T,C or G

<400> 1821
 ttggtgagcc gagagggatc aggtgaggca agtatggggc angctggtga ggagactttg 60
 ggctctcact ctcggggagg tgatggtcat tcctggaact cctcccccca caccagcct 120
 ttctcccat gagctcatca cctcttcac ctatcccagg taccacggcc ctttaaggcag 180
 ggcagccttg agctggatgt ggctgcttgc aacttggtctg tgctgttttt taaaattggg 240
 acagggtctc atgtagccca ggttggtctn cagctcactg tgtagccaag actggctgtg 300
 gacttccgat cctcctgcct ccacttctgg agtgccagta tctgtatcac aggggtgtac 360
 caccaccacc tgtcttgaaa attgccatga atgacatagt tcacatagcc atgggtggcc 420
 aaggacactc ctgggtactc ttactgcac ttcccttgaa ggactttgct aaaatcctgt 480
 ggagaaataa gaaaaatcca atacggnaca aactgnatgt atatgtgtct gtgntgtcaa 540
 tgaggggggc tgtnacctcc tnttccaann gtgggggtgct gtctgacctc tttntntnc 600
 aagcccacgc caccgcccga 620

<210> 1822
 <211> 260
 <212> DNA
 <213> Mus musculus

<400> 1822
 ctaggtgagc agtggactcc cattgagcct aaacccaagg agcggccaca ggttggaggc 60
 accatcaagc aaccacctac caacccccca ccccgccac ccgcagaggt ccgaaagaag 120
 ccgagtgagg gtgaagagga ggcagcctca gctggaggac cccagggtta cccaatgcc 180
 gtgacagatg aggtcgtgtg accttcagt gctgtctaca gctcctgctt gagtttctgt 240
 ggagttgtcc ccccccccc 260

<210> 1823
 <211> 593
 <212> DNA
 <213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 26, 32, 36, 39, 55, 56, 57, 81, 87, 94, 103, 121, 122, 138,
 141, 155, 182, 183, 185, 197, 203, 206, 216, 221, 224, 231,
 253, 259, 282, 286, 297, 298, 315, 318, 331, 334, 348, 349,
 364, 397, 402, 404, 421, 432, 458, 464, 476, 483, 517
 <223> n = A,T,C or G

<221> misc_feature
 <222> 524, 528, 534, 540, 547, 553, 555, 562, 567
 <223> n = A,T,C or G

<400> 1823
 caccacagaa cggagatcga tcatcntcaa anattncnt gagtgaccct gcctnnnagc 60
 tatgtcgata actggctagg natcttnata actngttcag atntgaatgt gctggcccca 120
 nnctcagaat ggaggtcnga nactctggat gagancgtct ccacgtgttg aaggaagggc 180
 anntngctca agattcntcc aanacnacct gatcanggcc ntcnagaact naaagccctg 240
 ggctctggat tcngcatcnt ccctgtggga gcactacctc anccantctg ttccgcnnag 300
 ctcaatatgg atcancntnt gtgctgcagc nggncgacaa aaacggtnng tgaccgtcag 360
 tganatccca ccagtcttaa tgggagaccg aacgacncgg cnanttctgg aacacctgct 420
 ngatggaatg ancggcctgc gttggatctg ctgctccnag ggangccccc ctactngctg 480
 ccntctcttt tactcagaac tctaccccaa ggagatnttt cctnaagnag ccanagaaan 540
 cttcccntga atnantttgc angggtnaaa ccaccaggcg caacaatcct gtt 593

<210> 1824
 <211> 395
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 17, 36, 75, 86, 94, 97, 102, 114, 169, 172, 179, 185,
 222, 259, 270, 281, 295, 331, 336, 347
 <223> n = A,T,C or G

<400> 1824
 ctccgatgag acgccnngtt gtacctacgc tctctngact tgggttgatc tgactgctgt 60
 cttgggtatc acgntgaag acatgnctgt gtctngncgt antaatggac tcgnccgtct 120
 ggacaactat cagaaaactc caagcccaca catctgaacc tactggcant ancctgaang 180
 atacngcacc tgggagccgt tgaaaagggt ggattgtctg anaacctgga tctgtttggc 240
 tgtgaagtcc taaccggant gattaccgan aactgtcttc ngctcctgcc cactntccat 300
 ctggatggct ataacgagaa gacaggaacc nctganccat tggagtnata tgtaaagaac 360
 cccgacccaa atggacagtg gatggttgga ctgca 395

<210> 1825
 <211> 421
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 378, 387, 404
 <223> n = A,T,C or G

<400> 1825
 ggtttgccag aatcaaaaat gtgtagcaga cactttcttg ggctatgatt gcaacctgga 60
 aaaatgcaac caccatgggtg tatgtaataa caagaagaac tgccactgtg accccacata 120
 cttacctcca gattgtaaaa gaatgaaaga ttcatatcct ggcgggagca ttgatagtgg 180
 caacaaggaa agggctgaac ccacccctgt acggccctac attgcaagtg cttaccgctc 240
 caagtctcca cgggtggccat ttttcttgat catccctttc tacgttgtga tccttgctct 300
 gattgggatg ctggtaaaaag tctattccca aaggatgaaa tggagaatgg atgacttttt 360
 aagccaaaaa ccatttttnaa agtgaangtg aatccaaaga ctantctgga cagattccac 420

- REPLACEMENT COPY -

421

a

<210> 1826
<211> 234
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28, 30, 37, 46, 56, 57, 65, 82, 83, 88, 89, 114, 130, 135,
149, 174, 180, 186
<223> n = A,T,C or G

<400> 1826
agacacaacc ccttccccgg gatccagntn cactccngta tctctnataa tccgtningct 60
atcanaaacc gagatgaact gnntgaanna caggacttcc atagtctcgtt catntactcg 120
acccagagtn ccttntccag gttattgtnt accaatttgc gacgttccat ctcttgctgn 180
ttctgntcac caatgaagtc atgccgctgc aggtatcagc tctaaaaaaa aaaa 234

<210> 1827
<211> 332
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 65, 112, 172, 173, 187, 191, 204, 243, 247, 258, 290
<223> n = A,T,C or G

<400> 1827
cctagccaga ctggcttaga ccatccgcca ctgagttgga gccacctgct gtgctgattc 60
tcatncatct cttttgatat gccactacct gcctgaggct taaccggctc tncaagatct 120
tccggagtta gctgcgaact gtgatactac taaactgaga gttcctacta annggctgat 180
ctgacanctt naaaggaact ttgngtgacg gggaatgggc ctcccctctt ctttatagag 240
cangttngct gacattanag ttgaacctga gcaggaaaaa cccaacaaan tggaacaata 300
aattcctctt gcttttgcac tgattcccaa aa 332

<210> 1828
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 342, 345, 368, 378, 392, 406, 415, 480
<223> n = A,T,C or G

<400> 1828
actgaggata tgacattaca actgccgctg ccagcaccac agagtaagca gtccagatag 60
ccgccacccg agggtcgcgg agcgctgcct ccacttgctt gatgctggca gtggaacca 120
ccatggatgg ggacttccct ccacatgagc tcccaccccc tggagggtggc atccagctac 180
agaaccgact cctgcactgt ccttggtggg gcagtttctc accgtctttg taccacacct 240
tctccagtga aaaccaacag ttcgtggggt ccacccatt ccttggtggc cagtcttgcc 300
ctgaaaccag ctaccccacc acaagccacc gtccccagct tnttntccaa gaacaagcga 360
cttttctnaa cttctggnaa aggggaagcc antgctgggg cacgtnaaac ccgangctgg 420
agccgcaatg gtgaactgaa caaataggga aaagctgaac acaacaccca tcaacactgn 480
atgggtggga gcaaactt

<210> 1829
<211> 377
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 132, 138, 145, 163, 165, 170, 222, 244, 246, 288, 328, 335, 355, 361

<223> n = A,T,C or G

<400> 1829

tgtttttctc	ggacagaccg	attactcaga	cacaaacgga	tgtgccaaagg	atgccagtcc	60
aagacttctg	aagggcagtt	ttctctatag	gcacaagggg	ccctaggtgg	tgggagtgt	120
gaggagaggg	tntggaanag	catanccctg	tgttctgacg	gtncnaccan	cactccctct	180
gaacctgtcc	cccttcctag	aggaccagcc	ccagggttagc	anaagagcgt	ctgaggacat	240
cggntncaaa	gccccaaactc	tgtaaccagt	ctgaggctat	gaggtatncc	agggacacct	300
gcagcattct	tgggcaaggg	agctggtnct	tgaanctcag	ctgagatgag	gtggngactt	360
naaggtgcaa	tgaccaa					377

<210> 1830

<211> 216

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 122, 157, 171, 174, 187, 200

<223> n = A,T,C or G

<400> 1830

atcgaaggat	tccttcagtn	acattcgact	agatga ² aatgc	cagggacccc	cacttcagtg	60
ttgcctgacc	acctcacccc	ctattccagc	cttgttgcac	tccggaaact	tgagtcccct	120
gntgtcctgg	ttcctccaac	tctgggaact	ttgctcncca	ctccttaact	nagngacttt	180
gaacctnaat	aaatcctggg	ccccactttt	aaaaaa			216

<210> 1831

<211> 359

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 27, 74, 82, 101, 119, 121, 129, 133, 134, 135, 136, 144, 181, 311, 333

<223> n = A,T,C or G

<400> 1831

ggaggtcact	gacaatgtca	tccacancat	ctctgatgct	gttaccatg	cggccaacgc	60
ctgggatgac	tgtngacagc	tngcctgtct	accagcatgg	ntggcccttc	ctgacggtna	120
ntcatgagng	tgnnnngtgg	ccgngtatat	tgactgggtgc	agttctcaga	gctgccgcat	180
ntgaagctat	cctgcagtta	tggatgagac	gagccagttt	acttgacaat	gtgtcctcat	240
ttacattctt	ctgtaaagaa	aataagttca	taggctatgt	gtgtgtgtgt	gtgtgtacac	300
atatatatgt	ntatcattgg	taaaagaaaa	ccnatgcctg	aatctacact	gtaaatctg	359

<210> 1832

<211> 401

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 364, 382, 385

<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 1832
ccacaggctc ggccaggcca gcatggtgga ccacctgctt ccagtggacg agaccttctc 60
gtcaccgaaa tgctcagtgg gttacctagg ggacaggctg gccagccggc agccatacca 120
catgttgccc tcgcccattc cggaggatga cagcgatgct tccagcccct gctcttgtgc 180
cagccctgac tcgcaagcct tctgttcctg ctacagtgcg ggtccaggcc ctgaggccca 240
gggcagcatc ttggatttcc tcctgtcccg ggccacactg ggcagtgggt gtggcagtgg 300
aggtattgga gatagcagt ggcctgtgac ctgggggatca tggaggagag ccttttgtgc 360
ctntaaagg gaggaacatt cntgnttccc tgaatttctt g 401

<210> 1833
<211> 402
<212> DNA
<213> Mus musculus

<400> 1833
actgaggtaa ctggggccct catcttgttg tcatgaggag ttgtaacata ctcaagtggg 60
aactcgagtt gaaacgctgg tgtcctggcc tcaaaactct ttcttatgtt ggcagccaca 120
gagaactcaa agcaaagaga caggagtggg ccgagcccaa taacttccac atctgcatca 180
cgtcctataa gcagttcttc aggggctaca ctgccttctc aagggtgcac tggaaatgcc 240
ttgttgttga cgaaatgcag aggggtgaagg gcatgactga gcggcactgg gaagccatct 300
tcaagctgca gaggtctgac tgtaccacaag tgttctgtct tcaaattctc agctgttctt 360
acctaaagat tcattaaaga aatttaaatac attgcataca ta 402

<210> 1834
<211> 240
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 73, 84, 91, 93, 102, 106, 108, 115, 121, 125, 135, 152, 179,
183, 185, 187, 189, 202, 206, 208
<223> n = A,T,C or G

<400> 1834
gaacctgggc ttacagttcc tcctacatga ccgagatctg atcagccaac ccgcgcattg 60
ctttttgtgc ctngcactgc agtncagggg ncntttttat tntccnanac ttatnactca 120
natgntaccc ttttntgatg ttcttttcgg tnaaggaggc catgtttttt ggcaagggna 180
ccncnangna gcactcgtac tnattnancc tgaagaaaca cagtttatat aaccgtagtg 240

<210> 1835
<211> 335
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 38
<223> n = A,T,C or G

<400> 1835
gaggttcctg atgtgagagg gtagcccccg atcatggnag gtgcttcagt gcgatggctg 60
tgacttccga gcccattctt acgaagatct caaggcacac atccaggatg tccacacggc 120
gttcttacag ccaactgatg ttgccgagga caatgatgac gagccactat ctgggtccat 180
gaatgctagt aatcagacag aggtggagtt ctcttctata aaggatgagt ttgtgattgc 240
agaggattta ccagggtcaa gtgcaactgc attggggagc ggagggttact atggccacag 300
tccaggatat tacggtcagc atattacccc taatc 335

<210> 1836
<211> 266

- REPLACEMENT COPY -

<212> DNA

<213> Mus musculus

<400> 1836

```

ggagaaataa aaacagaaag atctccagaa agaagccatg gtaagattca aggtttcaca 60
gtccaagcta atgcctgtgg acacttgacc aagtgatctg agaaaattgg atttctggca 120
aaacaagtgt acctagactc aggcaagggt ggagaacaga gggcgactag attaaatgga 180
aagaatgccc aggcattcca ttgcctccct ttgacgttcc agaacttcat caagacagtg 240
atgagctaca tgtacacctg gaggag                                     266

```

<210> 1837

<211> 238

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 21, 29, 42, 55, 76, 82, 102, 103, 128, 142, 147, 172,
189, 193, 194, 202, 211, 220

<223> n = A,T,C or G

<400> 1837

```

tgactatttc cacgctgctn ntttctccna aggggcgttt antaacctgc ctctnaagag 60
tgccttcccc catggntcct tntctaaagt cccctgcccg gnnccccag gggctctgcc 120
aaactgtntt gccccattg tntctanaag gacgctactg ttggccggtt tntgatagaa 180
cattatgtng tcnnaggcaa cnttgggggg nccccccan aggacttttt attaaaaa 238

```

<210> 1838

<211> 281

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 31, 35, 45, 133, 137, 141, 211

<223> n = A,T,C or G

<400> 1838

```

tataagtttg gggatgaactt cagggaccag ncctnacaca cccganggatg ctccctcccc 60
ccagtcttgg aggcaatctg cacagagcca gtctgcacac cagagaccag aggccgcagg 120
tcaagctccc ggntgtntaa nagggagggt tccagccttc tgaattacac gcaggacatg 180
acaggagatg gaaacagaaa tgatgaagta natgatggga atggcttctg atattttaat 240
gccaaagctc acccgtgaga ccaaggacac caggacgcgc t                                     281

```

<210> 1839

<211> 164

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 31, 32, 36, 40, 45, 47, 79, 82, 86, 100, 115, 117, 127,
139

<223> n = A,T,C or G

<400> 1839

```

ccctgctgga tggatccaac ntggctcttta ncttnttgn acccntnctt gtcaaacagg 60
atctgtggta tagctcggn cncatnattt taataacctn tactacatca cagtnangaa 120
atcaagnccg tacgaatcnc accttcgtta acctcctagc gtca                                     164

```

<210> 1840

- REPLACEMENT COPY -

<211> 220
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 95, 96
<223> n = A,T,C or G

<400> 1840
ccctcccca cctgaacctg cttactcacg ggtgnagctt gccgctcaat cagttctgcc 60
acagcccact gctggagctt gccgctttgc tgttnngaag ccatcacgtg ttcacctgca 120
accttactcc tagattatct ggcggaatc ggccccctccc ccttccttca taacggagtg 180
ctggaatagt aaaaattgaa ccttgagcag aaaaaaaaaa 220

<210> 1841
<211> 125
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 24, 35
<223> n = A,T,C or G

<400> 1841
tcagaagcgg accacgattc gntnttcttt tgtancagct tctgaagaca aaaagcagct 60
taaaatctaa ctaaggaata aaaacactgc ttactaaata aactacttgt ctctaaaaaa 120
aaaaa 125

<210> 1842
<211> 243
<212> DNA
<213> Mus musculus

<400> 1842
agatgaaagc acagtgggtc tattctgctc ttgaacagtt caggaagagc catctgcaat 60
actgacatca tcagtcacct attcaccag ctgaccgaga gaccaaccct tgaagaattt 120
ataaaaaaga caaccgagca ataacaaga ctaataagct aaatcaggct ggagagattt 180
cagactgtga aaagcagatg gttaaattag atctgttggg tcttggtact aaataaaaaa 240
ata 243

<210> 1843
<211> 436
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 36, 59, 80, 90, 92, 93, 101, 106, 119, 128, 146, 149,
151, 155, 162, 169, 183, 185, 210, 236, 239, 241, 244, 251,
258, 259, 264, 265, 274, 277, 280
<223> n = A,T,C or G

<400> 1843
gatatggctc tgaagcccat gaacggaagg anaaanggga tcaacgcctt gtgaagaanc 60
ccctatagtc agaaaactgn ccatctgcan anntgagcga naacangcag cccctggang 120
tgggcagncc agggcaggat gcacancnt nttngatga anggactang aagggccctt 180
tgnanccctc caaacagggtg tgctcccan aaggggggccc gctcccagcc agcccntgnt 240
nccngaactt ncctatcnng ccnnccttc agnccntgn cgtccagtc agccagcccc 300
aggggcccct cccagcccca gggcagccct gccagcccca gcgggcccgc ccgggtcagc 360

- REPLACEMENT COPY -

gtgcttggcc ccacgatca cttctaggct tgagacagcc ctgccagccc cggcgccac 420
ttctgggccc tggc 436

<210> 1844
<211> 199
<212> DNA
<213> Mus musculus

<400> 1844
gactgagatc ctctgattcc aggtaccata caaagatggt tacaagaaat gcagaggtaa 60
aacagctgct ccgaaagcca accttttgtg tccttaacgg cagagtgtca gttaaatacgc 120
cccagcgccc ggaagctttt attcatgttt acactgctgt gagtagttat aaataaataa 180
accaataaat aaatgctgg 199

<210> 1845
<211> 105
<212> DNA
<213> Mus musculus

<400> 1845
gactgatgga gcgcagaaga gcccgaagga agaagtggaa ttgcagatgt ctagtcaacc 60
aagcacggct cctgcaaagg ctaaagcaac ggggaaaaaa aaaaa 105

<210> 1846
<211> 111
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 51, 53, 69, 71, 78, 84, 93
<223> n = A,T,C or G

<400> 1846
caggctgggc cacagccaac tgcnctactt gagcatgggt ggctccagat ntntccttc 60
aaactggant nagctggnc tcanaaaaac ttntccccca taaccagctt c 111

<210> 1847
<211> 289
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 34, 45, 54, 62, 68, 70, 114, 115, 117, 127, 146, 147,
148, 149, 151, 156, 164, 167, 169, 173, 179, 256, 264, 265,
266, 271
<223> n = A,T,C or G

<400> 1847
aaagctaagt ctcatcctca tcaaagaaga gncnccttac ttcanacaga gacngcttca 60
anagccnncn gatgatctaa cacagagaac actcggccag cgttggttgaa ccnncngat 120
gcaacanccc ctgccctgag aactcnnnnc ngaggngagg gtgngangna tnggggagnc 180
agtgagcctg gatgttggt gtgaacattt tccactgac tgatcttcca aaagttctga 240
gttcaaatacc caccanccac atggnnatct nacaccctct tctggtgtg 289

<210> 1848
<211> 257
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 26, 36, 51, 67, 69, 183, 193, 218, 224, 236

<223> n = A,T,C or G

<400> 1848

atgacccaca	gcagatcagt	actganggaa	gctcanggtc	gattctatct	natggggaag	60
gaaaatngnc	ataattgctc	cctggacatc	agagatgcac	agaaaatcga	cacagggacg	120
tacttcttca	gattggatgg	gtctgtgaaa	tacagttttc	agaagtcaat	gctatctgag	180
ctngtgatag	ctntgactga	gggccctaac	atccaagnca	catntaccct	ggggtnntggc	240
aattctacca	aactgct					257